McDONNELL DOUGLAS CORPORATION ST. LOUIS, MISSOURI TRACTS I AND II

ATTACHMENT A (continued)

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

"Existing" Sources (continued):

Similarly, if the boilers and other miscellaneous equipment are operated on fuel oil, the same compliance approach applies. The following table (Table D05-5) demonstrates via comparison that the PM emission limit determined for McDonnell Douglas' "existing" sources is higher than the AP-42 emission rate for fuel oil (and natural gas) combustion. Thus, all "existing" fuel oil combustion units will also be in compliance at all times.

Coal-Fired Boilers

(CS-005-02 thru CS-005-04)

(Emission factors developed from actual stack test data were used as the method to demonstrate a "one-time" compliance determination with the emission limits developed per 10 CSR 10-5.030.)

Table D05-5 compares the PM emission rate limit calculated by the above equation with the PM emission rate determined by an actual stack test performed on three coal-fired boilers at McDonnell Douglas. Since the stack test results are lower than the PM limit of this rule, the three boilers are in compliance.

McDONNELL DOUGLAS CORPORATION ST. LOUIS, MISSOURI TRACTS I AND II

ATTACHMENT A (continued)

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

10 CSR 10-5.030(3)(B)2.

For "New" Sources:

Boilers, Space Heaters, and Misc. Combustion Equipment

(NG and FO)

(The AP-42 emission factors were used as the method to demonstrate a "one-time" compliance determination with the PM emission limits developed per 10 CSR 10-5.030.)

Per 10 CSR 10-5.030 (3)(B)2., each "new" indirect heating source has a PM emission limit determined by E=0.80 Q^{-0.301}, where Q= the total heat input of all "new" and "existing" indirect heating sources. The total Q for McDonnell Douglas' "new" and "existing" indirect heating sources is 1,050 MMBtu/hr and the calculated PM emission limit is 0.10 lb/MMBtu. Compliance of each source with this limit is demonstrated in Table D05-5 using the same approach described above.

Refuse Fired Boilers (CS-101-05 and CS-101-06)

(Emission factors developed from actual stack test data were used as the method to demonstrate a "one-time" compliance determination with the emission limits developed per 10 CSR 10-5.030.) For the two Refuse Fired Boilers listed in Table D05-5, the PM emission rate was determined by an actual stack test. (This stack test was originally performed to demonstrate compliance with the PM emission limit in 40 CFR Part 60, NSPS.

McDONNELL DOUGLAS CORPORATION ST. LOUIS, MISSOURI TRACTS I AND II

ATTACHMENT A (continued)

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

For "New" Sources (continued):

Refuse Fired Boilers

Subpart E.) The PM emission rate from each of the two Refuse Fired Boilers is 0.08 lb/MMBtu, which is less than the calculated limit of 0.10 lb/MMBtu.

Additional monitoring or record keeping (for all indirect heating sources) beyond this initial demonstration is not necessary on the part of the facility.

MCDONNELL DOUGLAS CORPORATION St. Louis, Missouri Tracts I and II

EIO	EMISSION UNIT		FUEL (MINDLOTTK)		AP-42 Emission	AP-42 Emission Factor for PM	AP-42 Emission	Stack Test			
POINT NO.	NUMBER	DESCRIPTION	TYPE	Existing Source (Installed before Feb. 15, 1979)	New Source (Installed after Feb. 15, 1979)	Existing Sources E=1.09Q-0.259	New Sources E=0.80Q ^{-8.501}	Factor for PM Natural Gas (Ib/MMBTU)	Factor for PM Fuel Oil (lb/MMBTU)	Factor for PM Propane (lb/MMBTU)	Emission Factor (Ib/MMBTU)
			Coal	Feb. (3, 1979)	76,40	2 1.070	0.10			•••	0.025
CS-005-02	CS-005-02	Coal fired boiler (operating permit #5367)	Coal		76.40		0,10				0.025
CS-005-03	CS-005-03	Coal fired boiler (operating permit #5367)			76.40		0.10				0.025
CS-005-04	CS-005-04	Coal fired boiler (operating permit #5367)	Coal	77.00	70,40	0.21		0.014			
CS-005-05	CS-005-05	Keeler boiler (operating permit #3124)	Natural Gas		2.50	0,21	0,10	0,012			
CS-STL-01	CS-STL-01A	5 natural gas space heaters (0.5 MMBtu/hr ea.)	Natural Gas		0.30		0,10	0.011			
CS-STL-01	CS-STL-01A	4 natural gas space heaters (0.075 MMBtu/hr ea.)	Natural Gas		0.15	-	0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.50		0,10	0.012		***	
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.08		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas		0,50		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		1.25		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas heating unit	Natural Gas		0.06	***	0.10	0.011			***
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas		0.10		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas		10.50		0.10	0,012			***
CS-STL-01		21 natural gas space heaters in building (0.5 MMBtu/hr ea.)	Natural Gas			0.21	0.10	0.012			
CS-STL-01	CS-025-01	Natural gas boiler (operating permit # 4373)	Natural Gas	8.50	10.00	0.21	0.10	0,014			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas			0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.50		0.21	***	0.012			
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3131)	Natural Gas	4.20		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3131)	Natural Gas	4,20		0.21		0,011			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0,18		0.21		0.012			——
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3132)	Natural Gas	6.74		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3132)	Natural Gas	6.74		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3133)	Natural Gas	3,16		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3133)	Natural Gas	3.16				0,012			
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	0.20	•••	0.21		0.011			
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	0.20	1.00		0.10	0.011		***	
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3319)	Natural Gas		1.20		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3319)	Natural Gas		1.20	0.21	0,10	0.012		•••	
CS-STL-01	CS-STL-01A	Natural gas Sellers hot water boiler	Natural Gas	3.60		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas Sellers hot water boiler	Natural Gas	3.60				0.012		0.004	
CS-STL-01	CS-STL-01C	Propane space heater	Propane	0,50	***	0.21				0.004	T
CS-STL-01	CS-STL-01C	Propane space heater	Propane	0.11		0.21				0.004	
CS-STL-01	CS-STL-01C	Propane space heater	Propane	0.11	***	0.21				0.004	
CS-STL-01	CS-STL-01C	Propane space heater	Propane	0.11			0.10	0.012		0,004	
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0,30		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.30		0.10	0.012			***
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.30	***		0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0,30		0.10				
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.30		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.30		0.10				
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	***	0,30		0,10	0.012			-
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.30		0.10	0.012	1 411		
CS-STL-01		Natural gas boiler (operating permit # 5488)	Natural Gas		3,00		0.10	0.012			
CS-STL-01		Natural gas hot water heater	Natural Gas	***	0,06	***	0.10	0,011			

St. Louis, Missouri Tracts I and II

				HEAT INPUT RATING (Q)		PM EMISSION RATE LIMIT (Ib/MMBTU)		AP-42 Emission	AP-42 Emission	AP-42 Emission	Stack Test
			FUEL	(MMB)	ru/HR)			Factor for PM	Factor for PM	Factor for PM	Emission Factor
EIQ	EMISSION UNIT			Existing Source	New Source	Existing Sources	New Sources	Natural Gas	- Fuel Oil	, Propane	
OINT NO.	NUMBER	DESCRIPTION	TYPE	(Installed before Feb. 15, 1979)	(Installed after Feb. 15, 1979)	E=1.09Q-4.259	E=0.80Q-0.301	(Ib/MMBTU)	(lb/MMBTU)	(Ib/MMBTU)	(Ib/NINIBTU)
			Natural Gas	***	0.70		0.10	0.012			
S-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas		0.70		0.10	0.012			
S-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	6.30		0.21	***	0.012			
S-STL-01	CS-066-01	Natural gas boiler (operating permit # 3210)	Natural Gas	6.30		0.21		0.012			
S-STL-01	CS-066-02	Natural gas boiler (operating permit # 3210)	Natural Gas	6.30	***	0.21	***	0,012	***		
S-STL-01	CS-066-03	Natural gas boiler (operating permit # 3210)	Natural Gas	6.30	***	0.21		0,012			
S-STL-01		Natural gas boiler (operating permit # 3210)	Natural Gas	3.10		0.21		0.012			
CS-STL-01		Natural gas unit heater	Natural Gas	3.10		0.21		0,012			
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10		0,21		0.012		***	
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10		0.21		0,012			
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	2.80		0.21		0.012	***		
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	2.80		0.21		0,012	***		
CS-STL-01	CS-STL-01A	Natural gas unit heater		2.80		0.21		0.012			
CS-STL-01		Natural gas unit heater	Natural Gas	1.60		0.21		0.012			
CS-STL-01		Natural gas unit heater	Natural Gas	1.60		0.21		0.012	***		
CS-STL-01		Natural gas unit heater	Natural Gas			0.21		0.012			
CS-STL-01		Natural gas unit heater	Natural Gas	1.60		0.21		0.012			
	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60		0.21		0.012	***		
CS-STL-01		Natural gas unit heater	Natural Gas	1.60		0.21	0.10	0.012			
CS-STL-01		Natural gas boiler	Natural Gas		2.09		0.10	0.012		•••	(344)
CS-STL-01		Natural gas boiler	Natural Gas	***	2.09	0.21		0.014			
CS-STL-01		Natural gas boiler (operating permit # 3078)	Natural Gas	52.00		0.21		0.014		•••	
CS-101-01		Natural gas boiler (operating permit # 3078)	Natural Gas	52.00		0.21		0,014		***	
CS-101-02		Natural gas boiler (operating permit # 3078)	Natural Gas	20.80				0.014			
CS-101-03		Natural gas boiler (operating permit # 3078)	Natural Gas	20.80		0.21	0.10				0.084
CS-101-04		Refuse-fired boiler #1: Refuse (operating permit # 5229)	Refuse		54.75		0.10				0.084
CS-101-05		Refuse-fired boiler #1: Primary natural gas auxiliary	Natural Gas		0.80		0.10				0.084
CS-101-05		Refuse-fired boiler #1: Printary hattiral gas auxiliary	Natural Gas		2.50	•••	0.10				0.084
CS-101-05		Refuse-fired boiler #1: Secondary materials germit # 5230)	Refuse		54.75		0.10				0 084
CS-101-06		Refuse-fired boiler #2: Primary natural gas auxiliary	Natural Gas		0,80		0.10				0 084
CS-101-06		Refuse-fired boiler #2: Secondary natural gas auxiliary	Natural Gas		2.50			0.012			
CS-101-06		Refuse-fired boiler #2. Secondary natural gas activity	Natural Gas	1.00	***	0.21		0.012			
CS-STL-0		Natural gas space heater	Natural Gas	1.00	***	0.21		0.012			
CS-STL-0		Natural gas space heater	Natural Gas	0.20		0.21		0.011			
CS-STL-0		Natural gas water heater	Natural Gas	1,10	•	0.21	2.10	0.012			
CS-STL-0		Natural gas water heater (Steam Jenny)	Natural Gas		3.40		0.10	0.012			***
CS-STL-0		Natural gas boiler (operating permit # 5284)	Natural Gas		3.40		0.10				
CS-STL-0		Natural gas boiler (operating permit # 5285)	Natural Gas		3.40		0.10	0.012			
CS-STL-0	CS-STL-01A	Natural gas Stone Johnson boiler	Natural Gas	79.60		0.21		0.014			
CS-102-0		Natural gas boiler (operating permit # 3005)	Natural Gas	33.48		0.21		0.014			
CS-102-0		Natural gas boiler (operating permit # 3079)	Natural Gas	25.20		0.21		0.014			
CS-102-0		Natural gas boiler (operating permit # 3079)	Natural Gas	1.88		0.21		0.012			
	OI CS-STL-01A	Natural gas door heater	Natural Gas	1.88		0.21		0.012	***		

St. Louis, Missouri Tracts I and II

			FUEL		(MMBTU/IIR)		PM EMISSION RATE LIMIT (Ib/MMBTU)		AP-42 Emission Factor for PM	AP-42 Emission	Stack Test Emission Factor
EIQ	EMISSION UNIT		FUEL	Existing Source	New Source	Existing Sources	New Sources	Factor for PM	Factor for PM Fuel Oil	Factor for PM , Propase	Emission Luctur
POINT NO.	NUMBER	DESCRIPTION	TYPE	(Installed before	(Installed after Feb. 15, 1979)	E=1.09Q-a.259	E=0.80Q-4.341	Natural Gas (Ib/MMBTU)	(IP\/VIVIBLA)	(Ib/MINIBTU)	(Ib/MINIBTU)
romit no.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Feb. 15, 1979)	Feb. 13, 1977)	0,21		0.012		***	
00 0771 01	CS-STL-01A	Natural gas door heater	Natural Gas	1,88	***	0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.80		0,21		0.012			
CS-STL-01	CS-STL-01A	Natural gas door heater	Natural Gas	0.90		0,21		0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.80		0.21		0.011			
CS-STL-01	CS-STL-01A	Natural gas space heater - chiller room	Natural Gas	0.10		0,21		0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.90		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.50		0,21		0,012			
CS-STL-01	CS-STL-01A	Natural gas space heater (new)	Natural Gas	0.90		0.21		0,012		*** ,	
CS-STL-01		Natural gas space heater (new)	Natural Gas	0.90		0,21		0.011		***	
CS-STL-01	CS-STL-01A	Natural gas space heater - west chiller room	Natural Gas	0.10	0.60	0.21	0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	•	0,50	***	0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.50		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0,50		0.10	0.012			
CS-STL-01	CS-STL-01A		Natural Gas		0.50		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		0.50		0.10	0.012		***	
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	***	0.50	***	0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas		8,40		0.10			0.004	
CS-STL-01	CS-STL-01A	Natural gas air preheater (postheater)	Propane		0.0001		0.10	0.014	0.014		
CS-STL-01	CS-STL-01C	Propane test rig	Natural Gas	10,46		0,21		0.014	0.014		
CS-110-01	CS-110-01	Natural gas/Fuel oil boiler (operating permit # 4709)	Natural Gas	10.46	***	0.21	0.10	0.012			
CS-110-02	CS-110-02	Natural gas/Fuel oil boiler (operating permit # 4709)	Natural Gas		0.30		0.10	0,012			
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas		0.30			0.012			
CS-ST101	CS-STL-01A	Natural gas hot water heater	Natural Gas		0.30		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas		0.30	***	0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas		0.60		0.10	0.012	0,014		
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas		16.80		0.10	0.014	0.014		
CS-111-01	CS-111-01	Natural gas/Fuel oil boiler (operating permit # 5287)	Natural Gas		16.80		0.10	0.014	0.014		
CS-111-02	CS-111-02	Natural gas/Fuel oil boiler (operating permit # 5287)	Natural Gas		6.30		0.10		0.014		
CS-STL-01		Natural gas/Fuel oil boiler (operating permit # 5288)	Natural Gas	1.95		0.21		0.012			
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 4288)	Natural Gas	0.03		0.21				Helia	11/11
CS-STL-01		Natural gas water heater	Natural Gas	***	1.70		0.10	0.012			
CS-STL-0		Natural gas boiler	Natural Gas		0.50		0,10	0.012			
CS-STL-0		Natural gas space heater	Natural Gas	8 40		0.21		0.012			
CS-STL-0		Natural gas boiler (operating permit # 4903)	Natural Gas	8.37		0.21		0,012			
CS-STL-0		Natural gas boiler (operating permit # 4058)	Natural Gas	8.37		0.21		0.012			
CS-STL-0		Natural gas boiler (operating permit # 4058)	Natural Gas	1.53		0.21	•••	0,012			
CS-STL-0		Natural gas furnace	Natural Gas	2.32		0.21	4==	0.012			
CS-STL-0		Natural gas furnace		0.27		0.21		0.011			
CS-STL-0		Natural gas water heater	Natural Gas	0.27		0.21		0.011			
CS-STL-0		Natural gas water heater	Natural Gas	0.50		0.21		0,012			
CS-STL-0		Natural gas space heater	Natural Gas	0.50		0.21		0.012			
CS-STL-0		Natural gas space heater	Natural Gas	0,50		0,21		0,011			
	-	Natural gas water heater	Natural Gas			0.21		0,012	3		
CS-STL-C		Natural gas space heater	Natural Gas	0.50		0.21		0.012			
CS-STL-0	CS-STL-01A	Natural gas space heater	Natural Gas	0.50		V.21					

MCDONNELL DOUGLAS CORPORATION St. Louis, Missouri Tracts I and II

		Maximum Anonas.	C 231111001011								
				HEAT INPUT	PATING (O)	PM EMISSION	RATE LIMIT	'			Stack Test
						(lb/MM		AP-42 Emission	AP-42 Emission	AP-42 Emission	
EIQ	EMISSION UNIT		FUEL	(NIMBT		Existing Sources	New Sources	Factor for PM	Factor for PM	Factor for PM	Emission Factor
FIQ	ENTISSION CALL			Existing Source	New Source	Carsting Door too		Natural Gas	Fuel Oil	. Ргорапе	
	NUMBER	DESCRIPTION	TYPE	(Installed before	(Installed after	E=1.09Q-8.259	E=0.80Q .e.3e1	(lb/MMBTU)	(Ib/MIMBTU)	(Ib/MIMIBTU)	(Ib/MMBTU)
POINT NO.	NUMBER			Feb. 15, 1979)	Feb. 15, 1979)			0.012		***	
		Natural gas boiler (operating permit # 4103)	Natural Gas	3,35		0.21	***	0,012			1000
CS-STL-01	CS-221-01	Natural gas boiler (operating permit # 4103)	Natural Gas	3,35	***	0.21	0.10	0,011		***	
CS-STL-01	CS-221-02		Natural Gas		0.05	***	0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas		4.40		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas Binks unit heater	Natural Gas		4,78	***	0,10	0.012			
CS-STL-01	CS-STL-01A	Natural gas Hastings make-up air heater	Natural Gas		1.75			0.012	***		
CS-STL-01	CS-STL-01A	Natural gas McQuay unit heater	Natural Gas		1.75	***	0,10	0.012			
CS-STL-01	CS-STL-01A	Natural gas McQuay unit heater	Natural Gas		3.99		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas RTU #4 unit heater	Natural Gas		3.99	***	0,10	0.012		***	
CS-STL-01	CS-STL-01A	Natural gas RTU #5 unit heater	Natural Gas		3.99		0.10				
CS-STL-01	CS-STL-01A	Natural gas RTU #6 unit heater	Natural Gas		3.99		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas RTU #7 unit heater	Natural Gas		3.99		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas RTU #8 unit heater	Natural Gas		0.15		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas		0.15		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler			0.15		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas		0.15		0.10	0,011			
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas		0.15		0.10	0.011	***		
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas		0.15		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas		0.15		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas		0.15		0.10	0.011		***	
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas		0.13		0.10	0.011			
	CS-STL-01A	Natural gas Trane unit heater	Natural Gas	***	0,50		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas Reznor unit heater	Natural Gas		0.20		0.10	0.011			***
CS-STL-01	CS-STL-01A	Natural gas Sterling unit heater	Natural Gas	***	0.64		0,10	0,012			
	CS-STL-01A	Natural gas McQuay unit heater	Natural Gas		0,40		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas		0.40		0.10	0.012	***	***	
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas				0.10	0.012		***	
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas		0.40		0.10	0.012			522
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas		0.40		0.10	0.012			
CS-STL-01		Natural gas Trane space heater	Natural Gas		0.40		0.10	0.012			444
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas		0.40		0.10	0,012			
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas		0.40		0.10	0.012			
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas		0.40		0.10	0.012			
CS-STL-0		Natural gas Reznor space heater	Natural Gas	***	0.35		0.10	0.012	·	•••	***
CS-STL-0		Natural gas Reznor space heater	Natural Gas		0.35		0.10	0.012			
CS-STL-0		Natural gas Reznor space heater Natural gas Reznor space heater	Natural Gas		0.35		0.10	0.011			400
CS-STL-0		Natural gas Reznor space heater Natural gas Trane space heater	Natural Gas		0.23	***	0.10	0.011			
CS-STL-0			Natural Gas		0.04		0.10	0.011			
CS-STL-0		Natural gas vent heater	Natural Gas		0.04	<u> </u>		0.012			
CS-STL-0		Natural gas vent heater	Natural Gas	***	0.37		0.10	0.012			
CS-STL-0		Natural gas hot water heater	Natural Gas		4.32		0.10	0.012			
CS-STL-0		Natural gas Weather-Rite make-up air heater	Natural Gas		1,25		0.10	0.012			
CS-STL-0		Natural gas King unit heater	Natural Gas		1.25		0.10	0.012			
CS-STL-0	1 CS-STL-01A	Natural gas King unit heater	Natural Gas		1.25		0.10	0.012			
CS-STL-0	1 CS-STL-01A	Natural gas King unit heater	Natural Gas		1.25		0.10	0,012			
CS-STL-0		Natural gas King unit heater	TIALUIAI GAS							_	
4										Page D0	5F-47

St. Louis, Missouri Tracts I and II

			FUEL	HEAT INPUT		PM EMISSION (Ib/NIM	BTU)	AP-42 Emission Factor for PM	AP-42 Emission Factor for PM	AP-42 Emission Factor for PM	Stack Test Emission Factor
EIQ	EMISSION UNIT	DESCRIPTION	TYPE	Existing Source (installed before	New Source (Installed after	Existing Sources	New Sources E=0.80Q-a.301	Natural Gas (ib/MMBTU)	Fuel Oil (Ib/MMBTU)	(Ib/MINIBTU)	(Ib/NIMBTU)
OINT NO.	NUMBER	DEBC		Feb. 15, 1979)	Feb. 15, 1979)	E=1.09Q-0.259	0.10	0.012			•••
		N Visa unit hanter	Natural Gas	***	1.25		0.10	0.011			
S-STL-01		Natural gas King unit heater Natural gas Sterling space heater	Natural Gas		0.25		0.10	0.011			
S-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas		0,25		0.10	0.011		•••	
S-STL-01			Natural Gas		0.25		0.10	0.011			
S-STL-01		Natural gas Bryant space heater	Natural Gas		0,25		0.10	0.011			***
CS-STL-01		Natural gas Bryant space heater	Natural Gas		0,25	***	0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas		0.25		0.10	0.012			
CS-STL-01	00 010 0111	Natural gas Bryant space heater	Natural Gas	***	0.34		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas Tappen space heater	Natural Gas		0.25	***		0.011			
CS-STL-01	CS-STL-01A	Natural gas Lennox space heater	Natural Gas		0.12		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas		0.12		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas		0.12		0,10	0.011			
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas		0.12	***	0.10	0.011	•••		
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas		0.15		0.10				
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas		0.15		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas		0.28		0.10	0.011			
CS-STL-01	CS-STL-01A	Natural gas Bryant unit heater	Natural Gas		0.24		0,10	0.011			
CS-STL-01	CS-STL-01A	Natural gas King unit heater			0.39		0,10	0.012			
CS-STL-01		Natural gas King unit heater	Natural Gas	***	0.40		0.10	0.012			
CS-STL-01		Natural gas Modine unit heater	Natural Gas		0.49		0,10	0.012	***		-
CS-STL-01		Natural gas King unit heater	Natural Gas		0.11		0.10	0.011			
CS-STL-01		Natural gas Modine space heater	Natural Gas		0.11		0.10	0.011			
		Natural gas Modine space heater	Natural Gas		0.08		0,10	0.011	11		
CS-STL-01		Natural gas State water heater	Natural Gas		2.10	***	0.10	0,012			
CS-STL-01		Natural gas Raypack boiler	Natural Gas		11.50	***	0.10	0,012			
CS-STL-0		Miscellaneous Small Combustion Sources	Natural Gas			 	7.1				
CS-STL-0	CS-STL-01A	Miscenancous Sman Comounts		541.59	508.13	1					

	- COMPLIANC	E DETERMINATION	METHODS	F	EDERALLY E	NFORCEABLE	Section D
RM OP - D0		E DETERMINATION	County No.	4300		230	Year Submitted 1997
mission Point	-03 and CS-005-04	CS-005-03 ar			rement: 1 hapter 612-Sec	0 CSR 10-6.060 tion 612.110, C	and St. Louis County-APC construction Permit #1321
Compliance	Demonstration Methods	(Testing, Monitoring, F	Recordkeeping,	Reporting, etc.)	Mathed		
Check the	Applicable Method			Dasis of Compile		imento	
	Testing	/ Monitoring			pplicable Requi	irements	
_/	Recordkeeping	Reporting			ap Filling		
Testing				lead de the data of	the test metho	ds and procedu	res used, testing company,
	Describe any tests which I	have been performed to o	juantify emissions	s. Include the date of	the test, metho	do and process	res used, testing company,
	operating conditions existi	Firm	minary results.	Operating Condi	tions St	ımmary of Res	ults
ate	Test Method	- Citili					•
	N.A.						
Recordkeep	ing List parameters for which	records are being mainta	ined, the frequen	cy of such records (he	ourly, daily, etc.) And the length	of time records are retained
	from the date of entry. For	each recorded paramete	er include the met	thod of measurement.			Record Retention
	a) Being Recorded	Measurement N	Nethod		Frequency		Record Retention
u.u	, ,				1) daily		5 years
) coal input to	boiler		1) record keepin		2) each deliv	erv	
) sulfur conten	t, ash content, and heati	ng	2) coal delivery	lickei	2) caen acon	,	
alue of coal	Total Carlos						
Manitoring		it is a wead location of	f monitor, pollutar	nts being monitored, s	ampling freque	ncy and duratio	n, and data reporting method. Hutant(s) Being Monitored
	Describe any emission m	Location Desc	ription	no boing mountain		Po	llutant(s) Being Monitored
Monitoring Dev	ing as identified in the a		•				
record keep	section						
Sampling Freq		Duration of Sa	mpling	How Data Will B	e Reported		
amping							
Reporting					le to the agency	J.	
	Describe all reporting req	uirements and provide th	e title and freque	ncy of report submitte	is to the agency	Submittal	Frequency
Reporting Req	uirement		Title of Izeboir				
	coal usage and analysis	reports		-			monthly
	otion for any Alternate Co	ampliance Demonstration	on Methods not	listed above and lab	el as EXHIBIT	FORM OP - DO	5
Attach descrip	otion for any Alternate Co	omphance Demonstration		Duplicate this f	orm as needed	1	Page D05F-4
O 780-1519 (F	REV. April 11, 1996)	the and which the second		Duplicate this i	OIIII as Heedel	-	

FORM OP - D05	COMPLIAN	CE DETERMINATION	METHODS	F	EDERALLY ENF	FORCEABLE	Section D
Facility Name McDonnell Dougla	s Corporation		County No.	4300	Plant No. 0230		Year Submitted 1997
Emission Point No	CS-101-06	CS-	101-05 101-06	Applicable Requi	rement: 40 CF	R Part 60, Su	bpart E
		s (Testing, Monitoring, Re	cordkeeping, Re	porting, etc.)	Makkad		
Check the Ap	plicable Method			Basis of Complia		wanta.	
	Testing	/ Monitoring			applicable Requirer Bap Filling	nents	
	Recordkeeping	Reporting			sap rilling		
ope	erating conditions exist	have been performed to qua	antify emissions. mary of results.			and procedure	
Date	Test Method	Firm		Operating Condi	tions	Summary of	Results
	N.A.						
Recordkeeping List from	parameters for which	records are being maintaine r each recorded parameter i	ed, the frequency nclude the metho	of such records (ho d of measurement.	urly, daily, etc.) An	d the length o	
Parameter (data) E	Being Recorded	Measurement Me	ethod		Frequency		Record Retention
1) incinerator cha	rging rate	1) load counter			dail		5 years
2) hours of operate	ion	2) record keepin	g log		uni	y	3 years
Monitoring		onitoring used, location of m	anitas nallutanta	boing monitored sa	mpling frequency	and duration	and data reporting method
Monitoring Device		Location Descrip	otion	being monitored, sa	impling frequency t	Poli	utant(s) Being Monitored
	identified in the above						
Sampling Frequen	icy	Duration of Sam	pling	How Data Will Bo	e Reported		
		1					
Reporting		the and a second day the state	lla and features	of roport submittals	to the agency		
Common and the second		uirements and provide the ti	tile and frequency	or report submittals	to the agency.	Submittal F	requency
Reporting Require		1	itte of Nebolt	N.A.			N.A.
		initial performance test.	Damamatustian Bi		above and label a	e FYHIRIT F	
Att	tach description for a	ny Alternate Compliance [3 LAHIDH I	
MO 780-1519 (RE\	/. April 11, 1996)	W		Duplicate this fo	orm as needed		Page D05F-50

	005 COMPLIA		County No.		Plant No.		Year Submitted
acility Name	uglas Corporation			4300		0230	1997
mission Poin	ot No. CS-101-05 CS-101-06	Emission Unit No.	CS-101-05 CS-101-06	Applicable Req	uirement:	10 CSR 10-5.	080
Compliano	e Demonstration Meth	ods (Testing, Monitorin	g, Recordkeeping,	Reporting, etc.)			
	e Applicable Method		7	Basis of Com	pliance Metho		
/	Testing	Monitori	ing			tequirements	
	Recordkeeping	Reporti	ng	- =	Gap Filling		
Testing		nich have been performe	d to supplify omics	ions. Include the da	ate of the test	methods and p	rocedures used, testing
2,610.20	Describe any tests who	nich have been performe conditions existing during	the test and summ	nary of results.			
ate	Test Method	Firm	<u> </u>	Operating Con	ditions	Summary of F	Results
4/12/84	EPA Test Met		and McDonnell eering Co, Inc.	incinerator c	-	Average	PM emission rate = 0.063 grains/dscf
Recordke	from the date of entry.	. For each recorded parar	meter include the me	ncy of such records ethod of measureme	III.		
enin Petar VI gyannari veliki pili (ili), dise tudi denenin u	eping List parameters for where from the date of entry. ata) Being Recorded N.A.	nich records are being ma For each recorded parar Measureme	meter include the me	ency of such records ethod of measureme	(hourly, daily, nt.		gth of time records are retained Record Retention
color Palago VI gamento instituto VIII del Palago VIII del Pal	from the date of entry. ata) Being Recorded N.A.	For each recorded parar	nt Method	ethod of measureme	Frequen	cy	
Parameter (da Monitorin	from the date of entry. ata) Being Recorded N.A. g Describe any emission	Measureme n monitoring used, location	nt Method on of monitor, polluta	ethod of measureme	Frequen	cy guency and dura	Record Retention
Parameter (da	from the date of entry. ata) Being Recorded N.A. g Describe any emission	For each recorded parar	nt Method on of monitor, polluta	ethod of measureme	Frequen	cy guency and dura	
Parameter (da Monitorin	from the date of entry. ata) Being Recorded N.A. g Describe any emission	Measureme n monitoring used, location	nt Method on of monitor, polluta	ethod of measureme	Frequen	cy guency and dura	Record Retention
Parameter (da Monitorin	from the date of entry. ata) Being Recorded N.A. g Describe any emission evice Type N.A.	Measureme n monitoring used, location	nt Method on of monitor, polluta	ethod of measureme	Frequent, sampling fre	cy guency and dura	Record Retention
Monitorin Monitoring De	from the date of entry. ata) Being Recorded N.A. g Describe any emission evice Type N.A. equency	Measureme n monitoring used, location Location De	nt Method on of monitor, pollutaescription Sampling	ants being monitored	Frequent, sampling fre	quency and dura	Record Retention
Parameter (da Monitorin Monitoring D	from the date of entry. ata) Being Recorded N.A. g Describe any emission evice Type N.A. equency	Measureme n monitoring used, location De	nt Method on of monitor, pollutaescription Sampling	How Data Will	Frequent, sampling fre	quency and dura	Record Retention ation, and data reporting metho Pollutant(s) Being Monitored
Monitorin Monitoring Description	from the date of entry. ata) Being Recorded N.A. g Describe any emission evice Type N.A. equency Describe all reporting	Measureme n monitoring used, location Location De	nt Method on of monitor, pollutaescription Sampling	How Data Will	Frequent, sampling fre	quency and dura	Record Retention
Monitorin Monitoring D	from the date of entry. ata) Being Recorded N.A. Describe any emission evice Type N.A. quency Describe all reporting equirement None	Measureme n monitoring used, location Location De	nt Method on of monitor, polluta escription Sampling te the title and frequent Title of Report	How Data Will ency of report submit	Frequent, sampling free	quency and dura	Record Retention Ition, and data reporting method Pollutant(s) Being Monitored tal Frequency N.A.

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

exceedances occur)

3) Exceedance Report

exceedance in the applicable limits

subsections of 63.753 for the compliance method chosen

3) annual reports per the requirements of 63.753(d)(2) for any

Semiannual Exceedance Report (if any

of the notification of compliance

3) every twelve (12) months from the

date of the notification of compliance

status

status

FORM OP - D05	COMPLIANCE DET	ERMINATION MET	HODS	FEL	DERALLY ENFO	DRCEABLE	Section
Facility Name McDonnell Douglas	Corporation		County No.	4300	Plant No.	30	Year Submitted 1997
Emission Point No.	None		TTL-01	63.753 for Aei		, 63.746, 63.7	749, 63.751, 63.752, and
5. Compliance Der	nonstration Methods (Testin	g, Manitoring, Record	keeping, Repor				
Check the	Applicable Method			Basis of Comp			
	Testing	✓ Monitoring			Applicable Require	ements	
	Recordkeeping	✓ Reporting		<u> </u>	Sap Filling		
Testing Des	cribe any tests which have be rating conditions existing durin	g the test and summary	emissions. Incl of results.				
Date	Test Method	Firm		Operating Cond		Summary of	
-	N.A.		V.A.	N N	.A.		N.A.
Recordkeeping List from	parameters for which records the date of entry. For each re	are being maintained, the	ne frequency of s de the method of	uch records (hourly, measurement.		he length of ti	
Parameter (data) Be		Measurement	t Method		Frequency		Record Retention
	s of the applicable subsection liance method chosen	s of as required by 63.752	v the applicable	subsections of	as required by able subsection		5 years
Monitoring Des	cribe any emission monitoring	used, location of monito	or, pollutants bei	ng monitored, sampl	ing frequency and	d duration, and	d data reporting method.
	Type ints of the applicable subsection on the compliance method c	hosen	•			Pol	llutant(s) Being Monitored
Sampling Frequenc	у	Duration of S	ampling	How Data Will B	e Reported		
Reporting Des	cribe all reporting requirement	s and provide the title a	nd frequency of I	eport submittals to t	he agency.		
Reporting Requiren			Title of Report			Submittal	•
1) notification of co.	mpliance status		1) Notification	of Compliance Sta	tus Report	1) when so rule	urce becomes subject to the
subsections of 63.75	rts that identify requirements 3 for the compliance method	chosen	Semiannual E. exceedances of	,		of the notif	c (6) months from the date lication of compliance
	3) annual reports per the requirements of 63.753(d)(2) for a exceedance of the applicable limits			Report			elve (12) months from the notification of compliance

status

	COMPLIA	NCE DETERMINATION	METHODS	F	EDERALLY	ENFORCEAE	BLE Section D
Facility Name		NCE DETERMINATION	County No.	4300		0230	Year Submitted 1997
Emission Poi	nt No. None	Emission Unit No.	EG-STL-01	Applicable Requir	ement:	10 CSR 10-5.180	
6 Complian	ce Demonstration Metho	ods (Testing, Monitoring, F	Recordkeeping,	Reporting, etc.)			
	e Applicable Method			Basis of Compile		esiate # toest con suprema r # toes	
	Testing	✓ Monitoring		1/1/2	pplicable Re	quirements	
	Recordkeeping	Reporting			Sap Filling		
Testing	_			Legisdo the date of	the test met	hods and proced	ures used, testing company,
	Describe any tests which	ch have been performed to q isting during the test and sur	mmary of results.				Committee of the Commit
Date	Test Method	Firm		Operating Conditi	ions	Summary of Re	sults
	N.A.						
	from the date of entry. ata) Being Recorded N.A.	For each recorded parameter Measurement M	ethod	indu of measurement.	Frequency	/	Record Retention
Monitorir	ng Doscribe any emission	monitoring used, location of	f monitor, pollutar	nts being monitored, s	ampling freq	uency and duration	on, and data reporting method. ollutant(s) Being Monitored
Monitoring D	evice Type	Location Descr	iption			199	ollutant(s) being Monitored
_							opacity
Sampling Fre	gency inspection records equency	Duration of San	npling	How Data Will Be	Reported	1	
Reportin	g	requirements and provide the	e title and frequer	ncy of report submitta	ls to the ager	ncy.	
Reporting R		requirements and provide th	Title of Report	nggot - Paris 155 paris Programma paris na		Submittal	Frequency
Keporting K	None			N.A.			N.A.
	Attach description fo	r any Alternate Complianc	e Demonstratio	n Methods not listed Duplicate this f	above and	label as EXHIBI	Page D05F-5
MO 780-1519	(REV. April 11, 1996)			Duplicate tills i	Olin as nece		

ORM OP - D05	COMPLIANCE	DETERMINATION ME	THODS	FEI	DERALLY ENFO	ORCEABLE	Section D
Facility Name McDonnell Dougla	s Corporation		County No.	4300	Plant No.	0	Year Submitted 1997
Emission Point No	. None	Emission Unit No.	sion Unit HW-STL-01 Applicable Requirement Applicable subsections of for Waste Handling				-
5. Compliance De	imonstration Methods (resting, Monitoring, Recor	dkeeping, Repo				
Check the	e Applicable Method			Basis of Comp			
	Testing	Monitoring			Applicable Require	ements	
	Recordkeeping	Reporting		<u> </u>	Sap Filling		
Testing						and the second	
		e been performed to quantif		clude the date of the	e test, methods ar	nd procedure	s used, testing company,
Date	Test Method	during the test and summary	/ Of Tesuits.	Operating Cond	litions	Summary	of Results
Duto	1.000						
	N.A.						
Recordkeeping						1	
List	parameters for which rec	ords are being maintained, t	he frequency of	such records (hour	ly, daily, etc.) And	I the length o	f time records are retained
		ch recorded parameter inclu		of measurement.	Frequency		Record Retention
Parameter (data) B	seing Recorded	weasuremen	I Metriod		Frequency		Record Retention
per the requiremen	ts of 63.748		ork practices to e in a manner w	handle and hich minimizes	as waste is han transferred	dled and	N.A.
Monitoring						2000	
		oring used, location of monit	or, pollutants be	ing monitored, sam	pling frequency a	nd duration, a	and data reporting method. Ilutant(s) Being Monitored
Monitoring Device	= =	Location Des	cription			10	nutant(s) being wontored
	N.A.	Duration of C	a mandin a	How Data Will E	Do Donortod		
Sampling Frequen	cy	Duration of S	ampling	How Data Will E	e Reported		•
Reporting							
		ments and provide the title a	and frequency of	report submittals to	the agency.		
Reporting Require	ment		Title of Report			Submittal	Frequency
	None	,		_			N.A.
	None						A Vol Ao
A 44	ach description for any	Alternate Compliance Dem	onstration Met	hads not listed ah	ove and lahel as	EXHIBIT FO	DRM OP - D05
10 780-1519 (REV.		Alternate Compliance Dell	CHISH ALION MICE	uplicate this form	ae noodod		Page D05F-55

ODM OD 15	COMPLIANCE	DETERMINATION I	/ETHOD		FEDERALLY ENFORCE	
ORM OPJ5 Facility Name McDonnell Douglas Cor		DETERMINATION .	County No.	4300	Plant No. 0230	Year Submitted 1997
Emission Point No.	None	Emission Unit No.		Applicable sub Applicable sub	quirement: 40 CFR Part 6 sections of: 63.683, 63.686 sections of Subpart A and	8, 63.696, 63.697
5. Compliance Demon	stration Methods (resting, Monitoring, Re	cordkeeping,	Reporting, etc.)		
Check the App Te		✓ Monitorin	g	Basis of Con	npliance Method Applicable Requirements Gap Filling	
Testing	tests which has	a been performed to qua	antify emissions	. Include the date	of the test, methods and p	rocedures used, testing company,
Describe	any tests which ha	during the test and sumr	mary of results.			
	st Method	Firm		Operating Co	nditions	mary of Results
Date						
1	N.A.			into at the		
from the Parameter (data) Being per the requirements of 63.696 Monitoring Describe	date of entry. For e Recorded the applicable subs e any emission mon	Measurement ections of	nt Method	IIOU Of Measureme	Frequency	Record Retention 5 years duration, and data reporting method Pollutant(s) Being Monitored
Monitoring Device Typ as identified in the app (Su		1				
Sampling Frequency	A 1	Duration of	Sampling	How Data Wi	II Be Reported	
Reporting			id the title one	frequency of repo	ort submittals to the agency	
		ng requirements and prov	Title of Repo	ort	ort submittals to the agency	mittal Frequency
Reporting Requiremen	it		The of Repe			the requirements of the applicable
per the requirements of	the applicable sub	sections of 63.697		1670		rections of 63.697
Attach o	escription for any	Alternate Compliance [emonstration	Methods not list	ed above and label as EX	Page D05F
MO 780-1519 (REV. Ap	ril 11, 1996)			Duplicate th	is form as needed	, 250 000

FORM OP - D05 COM	PLIANCE DETERM	INATION	METHO	DS	FEDE	RALLY ENFO	RCEABLE	Section D
Facility Name McDonnell Douglas Corporatio	n		County 4	No. 300	Plant No.	30	Year Submitte	d 1997
Emission Point No. ML-051-0 None	No.	Λ	1L-051-02	Applicabl for Aeros	e Requirement: 40 (e subsections of: 63. pace Chemical Milli	743, 63.747, 63.		2 and 63.753
5. Compliance Demonstration	Methods (Testing, Mo	n i taring, F	tecordkee					
Check the Applicable Method				1	Compliance Method			
Testing		Monito	_		Applicable Requireme	ents		
Recordkeeping		Repor	ting	I	Gap Filling			
operating condition	its which have been performs existing during the te	est and sur	uantify emi	esults.		8		testing company,
Date Test Method		Firm		Operating	Conditions	Summary of F		
	ents of the applicable 3.750 depending on the nod chosen	N	.A.		N.A.		N.A.	
from the date of	for which records are bei entry. For each recorded	paramete	r include th	e method c	of measurement.	daily, etc.) And t		
Parameter (data) Being Record			ment Meth		Frequency		Record Retent	
per the requirements of the appl			red by the ons of 63.7.		as required by the a subsections of 63.7			5 years
63.752 as appropriate for the collictory	триансе тегноа		ns of 03.7.	•	compliance method	-	à	
Monitoring								
	nission monitoring used,	location of	monitor, po	ollutants be	ing monitored, sampli	ng frequency and	d duration, and data	a reporting method.
Monitoring Device Type		Location	Descripti	on		Poli	utant(s) Being Mo	onitorea
· N.A.					10000 00 4 1		Alex	
Sampling Frequency		Duration	of	How Data	Will Be Reported	- 41		
Reporting	orting requirements and p	provide the	title and fr	equency of	report submittals to th	ne agency		
Reporting Requirement	itting requirements and p	JIOVIGE LITE	Title of Ro	eport	Toport oublimado to ti	Submittal Fre	quency	
1) notification of compliance sta	atus			•	mpliance Status	1	e becomes subject	to the rule
2) semiannual reports that ident	tify requirements of the		-	inual Repo	rt	2) every six (6)) months from the	date of the
applicable subsections of 63.753	for the compliance me	thod	,	4			compliance status	_
chosen								

on Dos COMPLI	ANCE DETERMINATION	N METHODS	8	FEDERALLY ENF	ORCEABLI	
acility Name	ANOL DETERMINATION	County No	4300	Plant No. 0230		Year Submitted 1997
cDonnell Douglas Corporation mission Point No. <i>ML-051-01</i>	Fillippion officer	CC-051-01 CC-051-02	Applicable Req	Applicable subsect	ions of: 63. FR Part 63	Subpart T: 460, 63.462, and 63.468 , Subpart A: tions of 63.10
Compliance Demonstration Me	thods (Testing, Monitoring	, Recordkeepin	g, Reporting, etc.)			
Check the Applicable Method			Dasis of Colff	oliance Method		
Testing	Monitorin	g		Applicable Requirem	ents	v v
Recordkeeping	✓ Reporting	9		Gap Filling		
company, operating	which have been performed to conditions existing during the	quantify emissi test and summ	ions. Include the date ary of results.	The state of the s	and procedu	
ate Test Method N.A.	Firm		Operating our			
arameter (data) Being Recorded per the applicable subsections			osections of 63.10	per the app		5 years
Monitoring	ion monitoring used location	of monitor, pollu	utants being monitored	I, sampling frequency	and duratio	n, and data reporting method. Ilutant(s) Being Monitored
Describe any entities Monitoring Device Type	Location Des	scription	1146 - 115		Po	ilutant(s) Being Monitored
N.A. Sampling Frequency	Duration of S	Sampling	How Data Wil	Be Reported		
n						
Reporting Describe all reporti	ng requirements and provide	the title and free	quency of report submi	ttals to the agency.	Submittal	Frequency
Reporting Requirement		Title of Rep	ort			
t U Hansh	sections of 63.468		-	tod above and label	_	pplicable subsections of 63.4 FORM OP - D05
Attach description	n for any Alternate Complia	nce Demonstra	ation Methods not ils	s form as needed	us EXTIDIT	Page D05F-
O 780-1519 (REV. April 11, 1996)		Duplicate thi	a Ioiiii aa iicoaca		and the second s

	D05 COMPLIAN	ICE DETERMINATION				LY ENFORCEABL	ZE Section I
Facility Name			County No.	4300	Plant No	0230	1997
mission Po	int No. None	millionion on the	L-051-02	Applicable Req	uirement:	10 CSR 10-5.330)
Complia	nce Demonstration Metho	ds (Testing, Monitoring, F	Recordkeeping	g, Reporting, etc.)			
Check t	he Applicable Method			Basis of Com			
On Contract	Testing	✓ Monitoring		/	A CONTRACTOR OF THE PARTY OF TH	Requirements	
-/	Recordkeeping	Reporting			Gap Filling		
Testing							used testing company
-	Describe any tests which operating conditions exist	h have been performed to o sting during the test and su	uantify emission mmary of resul	is.			ures used, testing company,
Date	Test Method	Firm		Operating Con	ditions	Summary of Re	suits
	N.A.						
Recordk	eeping			. L	(haudu daily	ote) And the lengt	th of time records are retained
	List parameters for which	ch records are being mainta For each recorded paramete	ined, the freque	ency of such records nethod of measureme	(nourly, daily nt.	, etc.) And the length	th of time records are retained
		Measurement M	Method	iculod of model on	Frequer	псу	Record Retention
Parameter (data) Being Recorded	Wicasuromon.					
	s required by Section (6)	as	required by S	ection (6)	as requ	uired by Section (6)	5 years
a	s required by Section (6) of the rule	as	required by So of the ru		as requ	uired by Section (6) of the rule	5 years
a Monitori	of the rule		of the ru	ıle		of the rule	
Monitori	of the rule ng Describe any emission	monitoring used, location of	of the ru	ıle		of the rule	on, and data reporting method. collutant(s) Being Monitored
Monitori	of the rule		of the ru	ıle		of the rule	on, and data reporting method.
Monitori Monitoring	of the rule ng Describe any emission	monitoring used, location of Location Description	of the ru	tants being monitored	, sampling fr	equency and duration	on, and data reporting method.
Monitori Monitoring record k section	of the rule Describe any emission Device Type eeping as identified in the	monitoring used, location of Location Description	of the ru	ıle	, sampling fr	equency and duration	on, and data reporting method.
Monitori Monitoring record k section	of the rule Describe any emission Device Type eeping as identified in the	monitoring used, location of Location Description	of the ru	tants being monitored	, sampling fr	equency and duration	on, and data reporting method.
Monitoring record k section Sampling F	of the rule Describe any emission Device Type eeping as identified in the	monitoring used, location of Location Description Description Description Description Description Duration of San	of the ru	tants being monitored How Data Will	sampling from	equency and duration Po	on, and data reporting method.
Monitori Monitoring record k section	of the rule Describe any emission Device Type eeping as identified in the	monitoring used, location of Location Description Description Description Description Description Duration of San	of the ru	tants being monitored How Data Will Jency of report submi	sampling from	equency and duration Post	on, and data reporting method. ollutant(s) Being Monitored
Monitoring record k section Sampling F	of the rule Describe any emission Device Type eeping as identified in the	monitoring used, location of Location Description	of the ru	tants being monitored How Data Will Jency of report submi	sampling from	equency and duration Post	on, and data reporting method.
Monitoring record k section Sampling F Reporting F	of the rule Describe any emission Device Type eeping as identified in the requency Describe all reporting re Requirement	monitoring used, location of Location Description above Duration of Same equirements and provide the	of the ru	How Data Will uency of report submi	sampling from	equency and duration Post	on, and data reporting method. ollutant(s) Being Monitored
Monitoring record k section Sampling F Reporting Reporting F	of the rule Describe any emission Device Type eeping as identified in the requency Describe all reporting re Requirement red. Records shall be made	monitoring used, location of Location Description above Duration of Same equirements and provide the	of the ru	tants being monitored How Data Will Jency of report submi	sampling from	equency and duration Post	on, and data reporting method. ollutant(s) Being Monitored Frequency
Monitoring record k section Sampling F Reporting F	of the rule Describe any emission Device Type eeping as identified in the requency Describe all reporting re Requirement red. Records shall be made	monitoring used, location of Location Description above Duration of Same equirements and provide the	of the ru	How Data Will uency of report submint	Be Reporte	equency and duration Post	on, and data reporting method. collutant(s) Being Monitored Frequency N.A.

	OOMDUAN	CE DETERM	MINATION METHODS	F	EDERALLY ENFORCE	4BLE Section D
ORM OP - L		ICE DETERM	County No.	4300	Plant No. 0230	Year Submitted 1997
Emission Poi		Emission Uni	it No. OV-220-11 OV-220-13, OV-220-14	Applicable Requir	rement: 10 CSR 10-5.	.050
Complian	ce Demonstration Metho	ds (Testing, M	onitoring, Recordkeeping,	Reporting, etc.)		
	ne Applicable Method			Dasis of Compi		
CHECK	Testing	1	Monitoring	A	applicable Requirements	
	Recordkeeping		Reporting	7	Sap Filling	
Testing				I I I I the detect	the test methods and pro	ocedures used, testing company,
•	Describe any tests whic	h have been pe	rformed to quantify emissions	s. Include the date of	the test, methods and pro	cedures used, testing company,
			test and summary of results.	Operating Condit	ions Summary of	f Results
Date	Test Method	Firm		Operating Contain		
	<i>N.A.</i>					
						100 mg
Recordke	eping	h records are b	eing maintained, the frequen	cy of such records (h	ourly, daily, etc.) And the l	ength of time records are retained
	from the date of entry. F	or each recorde	ed parameter include the met	thod of measurement	·	
Parameter (d	lata) Being Recorded	Meas	surement Method		Frequency	Record Retention
ratameter (u	iata) Domis Horas					back 5 years
material th	roughputs and PM emiss	ion rate mass	balance calculations using	material	annually (hourly rate b	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		throi	ughputs and best engineerin	g judgment on the	calculated from annua emission rate)	
		PM e	emitted		emission rate)	
Monitorii	na				l'a a francisco and di	ration, and data reporting method
	Describe any emission	monitoring used	i, location of monitor, pollutar	nts being monitored,	sampling frequency and di	ration, and data reporting method. Pollutant(s) Being Monitored
Monitoring D		Loca	ation Description			
		_				
	eeping as identified in the	above				
section			di consultan	How Data Will Be	Reported	
Sampling Fr	equency	Dura	ation of Sampling	110W Data Will D	5 110 porto a	
Reportin	ng Describe all reporting t	equirements an	d provide the title and freque	ncy of report submitta	als to the agency.	
Departing D		equiremento un	Title of Report		Subm	ittal Frequency
Reporting R	(edanement					<i>N.A.</i>
	None			N.A.		
	Attack description for	any Alternate	Compliance Demonstration	n Methods not listed	d above and label as EXH	IIBIT FORM OP - D05
700 4540	(REV April 11, 1996)	any Attende		Duplicate this	form as needed	Page D05F-0

Section D

COMP	IANCE DETER	MINATION	METHODS	F	EDERALLY EN	FORCEABL	
ORM OP - D05 COMP Facility Name VicDonnell Douglas Corporation	LIANGE DETE	· ·	County No.	4300	Plant No. 023		Year Submitted 1997
Emission Point No. PT-027-0			PT-027-05A	7.7	rement: 40 CF. ctions of: 63.340,	R Part 63, Su 63.342, 63.34	bpart N: 13, 63.346 and 63.347
5. Compliance Demonstration N	lethods (Testing,	Monitoring,	Recordkeeping, R	teporting, etc.)			
Check the Applicable Method	•			Basis of Compile			
Testing	/	Monitoring			pplicable Require	ements	
✓ Recordkeeping	/	Reporting			Sap Filling		
Testing					the test mothods	and procedu	res used testing company.
Describe any tests	which have been p	performed to	quantify emissions.	Include the date of	the test, methods	s and procedu	res used, testing company,
operating condition			minary or results.	Operating Condi	tions	Summary o	f Results
Date Test Method	Fir	m		Operating contact			
N.A							
Recordkeeping	which socords are	haina mainta	ined the frequenc	v of such records (h	ourly, daily, etc.)	And the length	of time records are retained
List parameters to	try. For each record	ded paramet	er include the meth	nod of measurement			
Parameter (data) Being Recorde		easurement	Method		Frequency		Record Retention
as identified in the applicable sub	- I		e Operation and M	Iaintenance Plan	varies, frequen		5
63.346 and in McDonnell Dougla		,	-		dependent on t		5 years
and Maintenance Plan	W. 100 • 1-1-2000 - 1-1-00				occurrence of		
					(i.e., malfunction maintenance,		
Monitoring	ssion monitoring US	ed location o	f monitor, pollutant	ts being monitored, s	sampling frequenc	y and duratio	n, and data reporting method. Ilutant(s) Being Monitored
Monitoring Device Type	Lo	ocation Desc	ription			Po	
Tensiometer			Bldg. 27,	Process Control La	ab		surface tension
Sampling Frequency	D	uration of Sa	mpling	How Data Will B	e Reported		and data collection los
once per week, regardless of hou	rs of operation	instantaneo	us (grab sample)	Tensiometer rea	dings will be reco	orded in a cor	nputerized data collection lo
once per ween, regularies				along with other	pertinent inforn	iaiion.	
Reporting			- Alba and fragues	ov of report submitts	als to the agency		
	ting requirements a	and provide tr	Title and frequen	cy of report submitta	no to the agency.	Submittal	Frequency
Reporting Requirement on-going comp	oliance status			ng Compliance Stat			semiannually
Attach description for any Alter	nate Compliance	Demonstrati	on Methods not li	sted above and lab	oel as EXHIBIT Form as needed	ORM OP - DO	5 Page D05F-
Chicago de de de la constante							

Section D

		E DETERMINATION	METHODS	F	EDERALL	Y ENFORCEABL	E Section D
ORM OP - D acility Name	05 COMPLIANC	E DETERMINATION	County No.		Plant No.	0230	Year Submitted 1997
AcDonnell Do	uglas Corporation			4300		10 CSR 10-5.120	
mission Poin	t No. SP-005-01	Emission Unit No.	SP-005-01	Applicable Requir	ement:	10 CSK 10-3.120	
Complianc	ce Demonstration Method	s (Testing, Monitoring, F	ecordkeeping,	Reporting, etc.)	Matha	4	
	e Applicable Method			Dasis of Compi			
0,10011 111	Testing	✓ Monitoring				equirements	
	Recordkeeping	Reporting			Sap Filling		
Testing				l l l l l l l l l l l l l l l l l l l	the test me	athods and procedu	ures used, testing company,
	Describe any tests which	have been performed to q	uantify emission	s. Include the date of	the test, me	stillous and proceed	ures used, testing company,
	operating conditions exist		illiary of results.	Operating Condit	ions	Summary of Res	sults
ate	Test Method N.A.	Firm		Operating contain			
	IV.A.						
	*) A 111-1	b of time records are retained
Recordke	eping List parameters for which	records are being mainta	ned, the frequen	cy of such records (h	ourly, daily,	etc.) And the lengt	h of time records are retained
	from the date of entry. For	r each recorded paramete	i include the me	thod of measurement			Record Retention
arameter (da	ata) Being Recorded	Measurement M	ethod		Frequenc	зу	1,0001a .telemen
•				sicket will be kent on	ea	ich delivery	5 years
	coal tickets	Records of each	n coai aeiivery i file.	icket will be kept on		,	
- 155 p. 775 500 p. 250			-				
Monitorin	g	i i d leastion of	monitor polluta	nts being monitored.	sampling fre	quency and duration	on, and data reporting method. ollutant(s) Being Monitored
	Describe any emission m	Location Descri	ption	nto poing in-		Po	ollutant(s) Being Monitored
Monitoring D	evice Type eping as identified in the a		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
recora kei section	eping as mentified in the a						
Sampling Fre	auonev.	Duration of San	npling	How Data Will Bo	e Reported		
ampiling Fre	squency						
Reportin	9	<u> </u>		-f	alc to the an		
11	Describe all reporting rea	quirements and provide the	e title and freque	ncy of report submitte	als to the age	Submittal	Frequency
Reporting Re	equirement		Title of Report				•
	Mana			N.A.			N.A.
	None	any Alternate Complianc	a Domonstratio	n Methods not lister	d above and	d label as EXHIBIT	FORM OP - D05
	Attach description for a	any Alternate Complianc	e Demonstratio	Duplicate this	form as nee	eded	Page D05F
O 780-1519	(REV. April 11, 1996)						

RM OP - D05	COMPLIA	NCE DET	ERMINATION	METHODS	F	EDERALL	Y ENFORCEAB	
cility Name			1115	County No.	1300	Plant No.	0230	Year Submitted 1997
nission Point No	o. None	ST-005-2 ST-102-2	21, ST-041-21 thr 21, ST-111-01		I DE RESOLUE	irement:	40 CFR Part 60 (Section 60.116), NSPS, Subpart Kb b only)
Compliance D	emonstration Meth	ods (Testin	ig, Monitoring, R	ecordkeeping, R	eporting, etc.)			
	plicable Method				basis of Compi			
	esting		✓ Monitoring			STATE OF STREET	equirements	
	ecordkeeping		Reporting			Sap Filling		
Testing De	escribe any tests wherating conditions e	ich have be	en performed to que	uantify emissions.	Include the date of	f the test, me		dures used, testing company,
	est Method N.A.	Alsting during	Firm		Operating Cond	itions	Summary of R	esults
fro arameter (data)	st parameters for whom the date of entry. Being Recorded ons and calculated of	For each re	Measurement M	r include the meth	od of measurement	Frequenc		Record Retention for the life of the tank
				11 II. AA	a boing monitored	sampling free	guency and dura	tion, and data reporting method
Monitoring Devic secord keeping as			Location Descr	iption	s being monitored,	sampling no	F	tion, and data reporting method Pollutant(s) Being Monitored
ection Sampling Freque	ency		Duration of Sar	npling	How Data Will E	e Reported		
Reporting			1 1 4	tille and frequent	cy of report submitta	als to the age	encv.	
	escribe all reporting	requiremen	its and provide the	Title of Report	by or report addition		Submitta	al Frequency
	ting. Records shall		1	•	N.A.		I labal on EVLID	N.A.
A	ttach description f	or any Alte	rnate Compliance	e Demonstration	Methods not listed	d above and	a label as EXHIB	IT FORM OP - D05
	V. April 11, 1996)				Duplicate this	form as nee	eded	Page D05F-

Facility Name McDonnell Douglas Corporation Emission Point No. ST-STL-01 Emission 5 Compliance Demonstration Methods (Testing) Check the Applicable Method / Testing / Recordkeeping / Testing	RMINATION METHODS				Section L
5. Compliance Demonstration Methods (Testing) Check the Applicable Method Testing	County No.	4300	Plant No. 0230		Year Submitted 1997
Check the Applicable Method / Testing// Recordkeeping/ /	ST-022-22 and ST-022-25	d Applicable Requ	uirement:	10 CSR 10-5.2 and (11)	20, (5), (6), (8) (10),
✓ Testing ✓ ✓ Recordkeeping ✓ Testing	Monitoring, Recordkeeping,	Reporting, etc.)			
✓ Recordkeeping ✓		Basis of Compli	ance Method		
Tasting	_ Monitoring		applicable Requirements	3	
Testing	Reporting	(Sap Filling		
Describe any tests which have been properly operating conditions existing during the conditions existing during the conditions are conditions.	performed to quantify emission e test and summary of results	s. Include the date	of the test, methods and	I procedures use	ed, testing company,
I TOTAL THE STATE OF THE STATE	rm	Operating Cond	itions	Summary of F	Results
to be per- formed in 1997 Director approved leak detection and blockage tests	to be determined	to be	determined	to l	be determined
Recordkeeping List parameters for which records are from the date of entry. For each records	being maintained, the frequer ded parameter include the me	ncy of such records (thod of measuremer	hourly, daily, etc.) And t nt.	he length of time	
Parameter (data) Being Recorded per the requirements of Sections (5)(D) and (11)(C)	easurement Method Records of parameters requ (5)(D) and (11)(C) shall b		Frequency Records of parameter Sections (5)(D) and (kept on file as the inf received	(11)(C) shall be	Record Retention 5 years
Monitoring					
Describe any emission monitoring us	ed, location of monitor, pollutar ocation Description			d duration, and o	data reporting method. Ilutant(s) Being
Sampling Frequency D	uration of Sampling	How Data Will E	Be Reported		
Reporting Describe all reporting requirements a	nd provide the title and freque	ncy of report submitt	als to the agency.		
Reporting Requirement No routine reporting is required after obtaining or a operating permit. Records shall be made available agency upon request.	Title of Report enewing an to the	N.A.		renewal o	
Attach description for any Alternat	e Compliance Demonstration	Methods not liste	d above and label as E	EXHIBIT FORM	OP - D05 Page D05F-6

MO 780-1519 (REV. April 11, 1996)

Page DUST-6

Note: McDonnell Douglas shall perform the initial leak detection and blockage tests necessary to obtain a vapor recovery permit from MDNR. Additional testing and monitoring past the initial compliance demonstration will be performed by the agency annually (or at any other time at its discretion).

FORM OP - DO	COMPLIANO	CE DETERMINATION	N METHODS		FEDERALLY EN	FORCEABLE	Section L
Facility Name McDonnell Dougl			County No.	4300	Plant No.	30	Year Submitted 1997
Emission Point N		Emission Unit No.	ST-041-20	Applicable Req	uirement:	10 CSR 10-5.2 and (11)	220, (5), (6), (8), (9),(10)
5. Compliance I	emonstration Methods	(Testing, Monitoring, F	Recordkeeping,	Reporting, etc.)			
b:::::::::::::::::::::::::::::::::::::	Applicable Method		***************************************	Basis of Compli	ance Method		
/	Testing	✓ Monitoring		1	Applicable Requireme	ents	
	Recordkeeping	✓ Reporting			Sap Filling		
Testing D	escribe any tests which herating conditions existing	ave been performed to q ng during the test and sur	luantify emission mmary of results	s. Include the date	of the test, methods	and procedures us	ed, testing company,
Date	Test Method	Firm		Operating Cond	litions	Summary of	Results
to be per- formed in 1997	Director approved lead detection and blockage		termined	to be	determined	to	be determined
Parameter (data)	om the date of entry. For Being Recorded ements of Sections (5)(D		er include the me	thod of measurement ired by Sections	rt. Frequency Records of param	eters required by	Record Retention 5 years
- 1-120 - W. T.	(11)(C)	(3)(D) and	u (11)(C) shau v	e kept on jue.	Sections (5)(D) and kept on file as the received.	, , , ,	
Monitoring							The second second second
Monitoring Device	e Type as identified in the abo		ription		1	and duration, and	data reporting method. biliutant(s) Being
Sampling Freque	ency	Duration of Sa	mpling	How Data Will I	Be Reported		
Reporting	escribe all reporting requ	irements and provide the	title and frequer	ncy of report submitt	als to the agency.		
Reporting Requi No routine report operating permit. agency upon requ	rement ting is required after obt Records shall be made uest.	aining or renewing an available to the	Title of Report	N.A.		renewal o	
A MO 780-1519 (RE	ttach description for an	y Alternate Compliance	<u>Demonstration</u>	n Methods not liste Duplicate this	d above and label a form as needed	s EXHIBIT FORM	OP - D05 Page D05F-65

Note: McDonnell Douglas shall perform the initial leak detection and blockage tests necessary to obtain a vapor recovery permit from MDNR. Additional testing and monitoring past the initial compliance demonstration will be performed by the agency annually (or at any other time at its discretion).

FORM OP - D05	COMPLIANC	E DETERMINATIO	N METHODS		FEDERALLY ENFO	RCEABLE	Section D
Facility Name McDonnell Douglas Corpo			County No.	4300	Plant No. 0230		Year Submitted 1997
	S-STL-01	Emission Unit No.	ST-121-01	Applicable Requ	irement:	10 CSR 10-5.2	20 (5)
5. Compliance Demonstr	45564666666666666666666666666666666666	Testing, Monitoring,	Recordkeeping,	Reporting, etc.) Basis of Complia	ance Method		
Check the Applicable	e Metnoa	/ Manitoring		1	pplicable Requirement	\$	
Testing ✓ Record	cooping.	✓ Monitoring Reporting			ap Filling		
	keeping 	reporting		1			
Testing Describe an operating c	ny tests which ha onditions existing	ave been performed to o	quantify emissions mmary of results.	. Include the date o	of the test, methods and		Mary Sell St. 1
Date Test Me	ethod	Firm		Operating Cond	itions	Summary of F	Results
	N.A.						
from the da	ate of entry. For e	ecords are being mainta each recorded paramete	er include the meth	ey of such records (I mod of measuremen	t.	the length of time	e records are retained
Parameter (data) Being Ro	ecorded	Measurement	Method		Frequency		Record Retention
per the requirements	of Section (5)(I	(Keep records	of vessel owner a file.	nd deliveries on	as they o	ccur	5 years
Monitoring	lesien mor	itoring used, location of	f monitor, pollutant	s being monitored	sampling frequency an	d duration, and	data reporting method.
Monitoring Device Type	ny emission moi	Location Desc	ription	S being monitored,	carripining in equation and	Po	llutant(s) Being
			•				
record keeping as identifie	d in the above s			Till Bata Will B	o Donomad		
Sampling Frequency		Duration of Sa	ampling	How Data Will B	e Keporteu		
Reporting		rements and provide the	e title and frequen	cy of report submitts	als to the agency		
Reporting Requirement	II reporting requi	rements and provide the	Title of Report	by of report submitte	als to the agency.	Submitta	l Frequency
Reporting Requirement			,,,,,,			Į	
No routine reporting is recavailable to the agency up	on request.			N.A.			N.A.
		Alternate Complianc	e Demonstration	Methods not liste	d above and label as	EXHIBIT FORM	OP - D05
MO 780-1519 (REV. April				Duplicate this	form as needed		Page D05F-66

ORM OP -	D05 COMPLIA	NCE DETERMINAT	TION MET	HODS		FEDERALLY ENFOR	CEABLE	Section I
Facility Nam	ne Douglas Corporation			County No	o. 4300	Plant No. 0230		Year Submitted 1997
Emission Po		Emission Unit No.		-027-01	63.468	equirement: 40 CF. bsections of: 63.460, 63.		Subpart T: 5, 63.466, 63.467 and
	ince Demonstration Meth le Applicable Method	ods (Testing, Monitori	ing, Record	keeping, R	eporting, etc.) Basis of Cor	mpliance Meth od		
Oneck til	Testing	1	Monitoring			Applicable Requirements		
1	Recordkeeping		Reporting		1	Gap Filling		
Testing	Describe any tests which	ch have been performed inditions existing during	d to quantify the test and	emi s sions. summary o	Include the date of fresults.	of the test, methods and	procedures	used, testing
Date	Test Method	Firm			Operating Co	nditions	Summar	y of Results
Record	(eeping List parameters for whi from the date of entry.	ich records are being ma For each recorded para	aintained, the meter includ	e frequency e the metho	of such records (od of measuremer	hourly, daily, etc.) And th nt.	e length of	time records are retained
•	data) Being Recorded requirements of the applic subsections of 63.467	Measurement able per the requirement	uirements of	the applica 63.467	able subsections	Frequency per the requirement applicable subsections		Record Retention 5 years
Monitor	ing					L	:	
_	Describe any emission Device Type requirements of the applic subsections of 63.466	Location De	on of monitor scription	r, pollutants	being monitored,	sampling frequency and	Po	nd data reporting method. Illutant(s) Being
Sampling F	requency	Duration of	Sampling		How Data Wil	l Be Reported	1	
Reporti	ng Describe all reporting r	equirements and provid	le the title an	d frequency	of report submitt			
Reporting F	Requirement			itle of Rep			Submitta	l Frequency
1) exceedar	nce report mission or annual report sen)		ince 2		Emission or Annu		1) semia 2) annua	ally
	Attach description for	any Alternate Complia	nce Demon	stration M		above and label as EXI	HIBIT FOR	
MO 780-1519	(REV. April 11, 1996)				Duplicate this	form as needed		Page D05F-67

ORM OP	- D05 COMPLIA	NCE DETERMINAT	TION METHODS		FEDERALLY ENFOR	CEABLE	Section D
Facility Nar			County N	o. 4300	Plant No. 0230		Year Submitted 1997
Emission P No.	oint CC-STL-01	Emission Unit No.	VD-042-01 VD-042-02	63.468	equirement: 40 CFI bsections of: 63.460, 63.4		Subpart T: 5, 63.466, 63.467 and
	ance Demonstration Meth	ods (Testing, Monitori	ng, Recordkeeping, R	eporting, etc.)	entiones Mathad		
Check th	he Applicable Method		A.A. Markey		mpliance Method		
,	Testing		Monitoring		Applicable Requirements Gap Filling		
	Recordkeeping		Reporting		Sap Filling		
Testing	Describe any tests whi	ch have been performed nditions existing during	I to quantify emissions. the test and summary o	include the date of results.	of the test, methods and p	orocedures	s used, testing
Date	Test Method	Firm		Operating Co	nditions	Summar	y of Results
Record	keeping List parameters for wh from the date of entry.	ch records are being ma For each recorded para	aintained, the frequency meter include the meth	y of such records (od of measureme	(hourly, daily, etc.) And th nt.	e length of	time records are retained
	(data) Being Recorded requirements of the applic subsections of 63.467	Measuremer per the requ	nt Method nirements of the applic of 63.467	able subsections	Frequency per the requirement applicable subsections		Record Retention 5 years
Monito	ring					4	
	Describe any emission Device Type requirements of the applic subsections of 63.466	Location Des	on of monitor, pollutants scription	s being monitored,	sampling frequency and	duration, a	and data reporting method. ollutant(s) Being
Sampling F	requency	Duration of	Sampling	How Data Wi	II Be Reported		
Report	ing Describe all reporting	equirements and provid	e the title and frequenc	y of report submit	tals to the agency.		
1) exceeda 2) solvent	Requirement ince report emission report or annual e method chosen)	report (depending on th	Title of Rep 1) Exceeda 2) Solvent	oort ince Report Emission or Anni	ual Report	1) semid 2) annu	ally
	Attach description for	any Alternate Complia	ance Demonstration N	lethods not liste	d above and label as EX	HIBIT FOR	RM OP - D05
MO 780-151	9 (REV. April 11, 1996)	FUETE LEBEL CO			form as needed		Page D05F-68

FORM OP - D05 COMPLIAN	ICE DETERMINATION	METHODS	F	FEDERALLY EN	FORCEABL.	E Section D
Facility Name McDonnell Douglas Corporation		County No.	4300	Plant No.	30	Year Submitted 1997
Emission Point No. VD-029-01, VD-101-02, VD-102-01 and VD-220-01		0-029-01, and VD-220-01	Applicable Requi		CFR Part 63 63.464, 63.46	, Subpart T: 65, 63.467 and 63.468
5. Compliance Demonstration Metho Check the Applicable Method	ds (Testing, Monitoring, R	ecordkeeping, R	eporting, etc.) Basis of Compli	ance Method		
Testing ✓ Recordkeeping	Monitoring Reporting			Applicable Require Bap Filling	ements	
Testing Describe any tests whic company, operating con	h have been performed to qu ditions existing during the tes	antify emissions. st and summary o	f results.			per and a second second
Date Test Method N.A.	Firm		Operating Condi	tions	Summary o	f Results
Recordkeeping List parameters for which from the date of entry. F	h records are being maintain or each recorded parameter	ed, the frequency include the metho	of such records (hood of measurement.	ourly, daily, etc.) A	And the length	
Parameter (data) Being Recorded solvent usage	Measurement Me 1) Keep log of da and removed. 2) Keep calculation	tes and amounts on sheets showin	g how monthly	Frequency	thly	Record Retention 5 years
Monitoring Describe any emission i	monitoring used, location of r	nonitor, pollutants	being monitored, s	ampling frequenc	y and duratior	n, and data reporting method.
Monitoring Device Type	Location Descrip	otion			Pol	lutant(s) Being Monitored
N.A. Sampling Frequency	Duration of Sam	pling	How Data Will Be	e Reported		
Reporting Describe all reporting re	quirements and provide the t	title and frequency	y of report submittal	s to the agency.		
Reporting Requirement 1) exceedance report 2) solvent emission report	1 2	Title of Report 1) Exceedance R 2) Solvent Emiss	ion Report		Submittal F 1) semiann 2) annually	ually ,
	any Alternate Compliance	Demonstration N	lethods not listed Duplicate this fo		as EXHIBIT F	FORM OP - D05 Page D05F-69
MO 780-1519 (REV. April 11, 1996)			Duplicate tins lo	40 1100404		. 490 2001 -00

FORM OP - D05 COMPLIAN	CE DETERMINATION	METHODS	F	EDEKALLY EN	FURCEABLE	Section D	
Facility Name McDonnell Douglas Corporation		County No.	4300	Plant No. 023	0	Year Submitted 1997	
Emission Point No. VD-101-01		D-101-01			FR Part 63, S 3.463, 63.465,	Subpart T: 63.466, 63.467 and 63.468	
5. Compliance Demonstration Method	is (Testing, Monitoring, I	Recordkeeping,	Reporting, etc.)				
Check the Applicable Method		***************************************	Basis of Comp	liance Method			
Testing	✓ Monitoring		✓ Applicable Requirements				
Recordkeeping	Reporting		Gap Filling				
Testing Describe any tests which operating conditions exis	have been performed to c ting during the test and su	quantify emissions mmary of results.					
Date Test Method N.A.	Firm		Operating Condition	ons	Summary of	Results	
Recordkeeping List parameters for which from the date of entry. For	n records are being mainta or each recorded paramete	ined, the frequencer include the met	cy of such records (ho	ourly, daily, etc.) A	and the length	of time records are retained	
Parameter (data) Being Recorded	Measurement N	Viethod		Frequency		Record Retention	
per the requirements of the applicable subsections of 63.467	per the require	ments of the appl 63.467	licable subsections of	per the require applicable su 63.4	bsections of	5 years	
Monitoring			to be in a secretarial as		Land duration	and data reporting method	
	Location Desci	monitor, pollutan	its being monitored, sa	ampling frequency	Poll	, and data reporting method. utant(s) Being Monitored	
Monitoring Device Type per the requirements of the applications of 63.466		прион			1011	-	
Sampling Frequency	Duration of Sar	mpling -	How Data Will Be F	Reported	-		
Reporting Describe all reporting rec	quirements and provide the	e title and frequen	cy of report submittals	s to the agency.			
Reporting Requirement		itle of Report			Submittal Fi		
1) exceedance report) Exceedance R			1) semiannu	ally	
2) solvent emission or annual report (de compliance method chosen)	epending on 2	2) Solvent Emission or Annual Report 2) annually					
Attach description for a	ny Alternate Compliance	e Demonstration	Methods not listed	above and label	as EXHIBIT F	ORM OP - D05	

FURIN OF		E DETERMINATION			LLYENFORCEABL	
Facility Na			County No. 4300	Plant N	o. 0230	Year Submitted 1997
	Il Douglas Corporation			abla Danilananti		1397
	Point No. Vapor Degreasers, E		apor Degreasers, Applica	able Requirement:	10 CSR 10-5.300	
	,	D-042-01, VD-042-02, V				
		D-029-01, VD-101-01, V	D-101D-04,			
VD-220-01	The state of the s	D-102-01, VD-220-01				
B0000000000000000000000000000000000000	liance Demonstration Methods (Testing, Monitoring, Re				
Chec	k the Applicable Method		Basis	s of Compliance Met		
_	Testing	/ Monitoring			Requirements	
	✓ Recordkeeping	Reporting		✓_Gap Filling		
Testin	9					
	Describe any tests which has operating conditions existing	ve been performed to quaduring the test and summates.	antify emissions. Include mary of results.	the date of the test,	methods and procedu	res used, testing company,
Date	Test Method N.A.	Firm	Operat	ting Conditions	Summary of Res	ults
Record	dkeeping					
	List parameters for which red from the date of entry. For each	cords are being maintaine ach recorded parameter i	ed, the frequency of such include the method of mea	records (hourly, dail asur e ment.	y, etc.) And the length	of time records are retained
Parameter	r (data) Being Recorded	Measurement Me	thod	Freque	ncy	Record Retention
1) solvent	types and purchases	1) Keep records of	f solvent types and purch	ases. 1) mon	thly	1) 5 years
	consumptions and wastes genera	ated 2) Keep records of generated.	f solvent consumptions a	nd waste 2) as th	iey occur	2) 5 years
3) mainter	nance and repair logs	3) Keep records of	f maintenance and repair	r logs. 3) as th	iey occur	3) 5 years
4) operato		4) Conduct and ke operators and the	eep records of training fo ir supervisors.	or degreaser 4) once	e per year	4) 5 years
Monite	oring			·		·
	Describe any emission moni			onitored, sampling fi	equency and duration	, and data reporting method.
Monitoring	g Device Type	Location Descrip	tion		Poll	utant(s) Being Monitored
record kee	eping as identified in the above se					
Sampling	Frequency	Duration of Samp	ling How D	ata Will Be Reporte	ed	
Report	ting Describe all reporting require	ements and provide the ti	tle and frequency of repor	rt submittals to the a	gency.	
Reporting	Requirement	Ti	itle of Report		Submittal F	requency
No routine	e reporting. Records available up	on agency request.		V.A		N.A.
Attach des	scription for any Alternate Comp	oliance Demonstration	Methods not listed abov	e and label as EXH	IBIT FORM OP - D05	
MO 780-15	19 (REV. April 11, 1996)		Dupli	cate this form as n	eeded	Page D05F-71

FORM OP - D05 COMPLIANO	CE DETERMINATION	METHODS	FEDERALLY ENFOR	CEABLE Section D		
Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997		
		Co	ode, Chapter 612-Section 61	10-6.060 and St. Louis County-APC 2.110, Construction Permit #6258		
5. Compliance Demonstration Method	s (Testing, Monitoring, Re					
Check the Applicable Method		Basis of C	compliance Method			
Testing	✓ Monitoring	1	✓ Applicable Requirement	S		
Recordkeeping	✓ Reporting	ng Gap Filling				
	have been performed to quing during the test and sum			procedures used, testing company,		
N.A.		Oporating	our many			
		ed, the frequency of such reco include the method of measure		e length of time records are retained		
Home and de charge	The state of the s					
Parameter (data) Being Recorded	Measurement Me	thod	Frequency	Record Retention		
	Measurement Me	thod record keeping log	Frequency monthly	Record Retention 5 years		
Parameter (data) Being Recorded solvent usage Monitoring	Measurement Me	record keeping log	monthly	5 years		
Parameter (data) Being Recorded solvent usage Monitoring Describe any emission monitoring Device Type	Measurement Measur	record keeping log nonitor, pollutants being monito	monthly			
Parameter (data) Being Recorded solvent usage Monitoring Describe any emission mo	Measurement Measur	record keeping log nonitor, pollutants being monito	monthly	5 years duration, and data reporting method.		
Parameter (data) Being Recorded solvent usage Monitoring Describe any emission monitoring Device Type record keeping as identified in the ab	Measurement Measur	record keeping log nonitor, pollutants being monito	monthly	5 years duration, and data reporting method.		
Parameter (data) Being Recorded solvent usage Monitoring Describe any emission monitoring Device Type record keeping as identified in the absection Sampling Frequency	onitoring used, location of n	record keeping log nonitor, pollutants being monito	monthly red, sampling frequency and	5 years duration, and data reporting method.		
Parameter (data) Being Recorded solvent usage Monitoring Describe any emission monitoring Device Type record keeping as identified in the absection Sampling Frequency Reporting	Duration of Samp	nonitor, pollutants being monitor tion Dling How Data V	monthly red, sampling frequency and VIII Be Reported	duration, and data reporting method. Pollutant(s) Being Monitored		
Parameter (data) Being Recorded solvent usage Monitoring Describe any emission monitoring Device Type record keeping as identified in the absection Sampling Frequency Reporting	Duration of Samp	nonitor, pollutants being monitorition Dling How Data V	monthly red, sampling frequency and Vill Be Reported mittals to the agency. Sub l) b occu	5 years duration, and data reporting method.		
Parameter (data) Being Recorded solvent usage Monitoring Describe any emission monitoring Device Type record keeping as identified in the absection Sampling Frequency Reporting Describe all reporting requirement 1) usage exceedances 2) monthly solvent usage	Duration of Samp	nonitor, pollutants being monitor tion Dling How Data V	monthly red, sampling frequency and Vill Be Reported mittals to the agency. Sub 1) b occu 2) u	duration, and data reporting method. Pollutant(s) Being Monitored mittal Frequency by the next working day after urrence upon agency request		

DM OD	5 COMPLIANCE	E DETERMINATION	METHOD	FEDERALLY EN	VFORCEAE	BLE-ALT. OP SCE	NARIO	Section D
ORM OP acility Name	glas Corporation	to be and a series of the seri	County No.	4300	Plant No.	0230	Year Submitte 19	
mission Point	No. CC-STL-01	CC-032-03	C-032-02, and CC-245-04		rement:	10 CSR 10-5.300		
. Compliance	Demonstration Methods	(Testing, Monitoring, Re	ecordkeeping, F	(eporting, etc.)	1.1. H	1		
Check the	Applicable Method			Basis of Complia				
	Testing	✓ Monitoring			7.17	equirements		
	Recordkeeping	Reporting		G	ap Filling			
Testing			300					tection
•	Describe any tests company, operating	which have been perform g conditions existing durin	ed to quantify en g the test and su	mmary of results.			4	, testing
ate	Test Method	Firm		Operating Condit	ions	Summary of Res	ults	
	N.A.							
Recordkee	Liet parameters for	which records are being ate of entry. For each rec	maintained, the fooded parameter	requency of such rec	cords (hourly of measurer	y, daily, etc.) And th ment.	e length of time i	records are
Parameter (dat	a) Being Recorded	Measurement Me			Frequenc	У	Record Reten	tion
	s and purchases	1) Records shall		nt types and	1) month.	ly	1) 5 years	
solvent cons	umptions and wastes gener	purchases. 2) Records shall and waste genera	be kept of solver		2) as they 3) as they		2) 5 years 3) 5 years	
t) operator tra		logs. 4) Conduct and degreaser operate	keep records of i ors and their sup	training for pervisors.	4) once p	per year	4) 5 years	
Monitoring	Describe any emis	sion monitoring used, loca	ation of monitor,	pollutants being mon	itored, samp	oling frequency and	duration, and da	ita
	reporting method.	Location Descri	otion			Pol	lutant(s) Being	Monitored
Monitoring Dev record keep section	oing as identified in the abo	ove						
Sampling Freq	uency	Duration of Sam	pling	How Data Will Be	Reported			
Reporting	Describe all repo	orting requirements and	provide the title	e and frequency of	report sub	omittals to the age	ncy.	
Reporting Rec		1.	Title of Report			Submittal F	requency	
No routine ren	orting Records available	upon agency request.		N.A.			N.A.	
	Attach description for an	y Alternate Compliance	Demonstration	Methods not listed	above and	label as EXHIBIT	FORM OP - D05	
				Dunlicate this fo				Page D05A-1



ORM OP 35	COMPLIANCE DET	ERMINATION	VIETHODS	FEDERALLY E.	NFORCEABLE-AL	I. OP. SCENAL	
acility Name	Corporation		County No.	4300	Plant No. 0230		Year Submitted 1997
Emission Point No.	None	Emission Unit No.	SB-101-34, SB-101-48, and SB-220-02	Applicable Requestion Applicable substantial 63.752, and 63	uirement: 40 CFR Pe ections of: 63.743, .753	art 63, Subpar 63.745, 63.749	t GG: 0, 63.750, 63.751,
Compliance Den	nonstration Methods (Testi	ng, Monitoring, R	ecordkeeping, Repo	rting, etc.)			
Check the	Applicable Method			Dasis of Colli	pliance Method	anta	
	Testing		itoring		Applicable Requirem Gap Filling	ients	
	Recordkeeping	Repo	orting		——————————————————————————————————————		A LOCAL DES HOUSES. A PARTIE STRUCTURE
Testing Desc	cribe any tests which have be ating conditions existing duri	een performed to one one of the test and su	quantify emissions. Ir mmary of results.				
Date Test Method		Firm		Operating Con		Summary of I	
Service of	per the requirements of the applicable subsections of		N.A.		N.A.	1 3/1 1/1 1	N.A.
from Parameter (data) Be per the requirements	s of the applicable subsection	recorded parameter Measur ns of as require	er include the method ement Method ired by the applicable	subsections of	as required by the	applicable	Record Retention 5 years
53.752 depending of	n the compliance method ch	63.752	for the compliance n	nethod chosen	subsections of 63.		
Monitoring	cribe any emission monitorin	a used location of	monitor pollutants b	eing monitored, sa	mpling frequency an	d duration, and	data reporting method.
Monitoring Device		Locatio	n Description	onig monitorea, sa		Polit	utant(s) Being
per the requirement	s of the applicable subsection the compliance method ch	ns of cosen				8 ° (E 9	
Sampling Frequenc	у	Duratio	n of Sampling	How Data Will	Be Reported		
Reporting	cribe all reporting requiremen	nts and provide the	e title and frequency of	of report submittals	to the agency.	Submittal Fre	oguency
Reporting Requiren		The same of	Title of Repor		tatus Panort		ce becomes subject to th
1) notification of co	ompliance status		1) Nonfication	n of Compliance S	iaius Kepori	rule	ce vecomes subject to the
2) semiannual reports that identify requirements of the applicab subsections of 63.753 for the compliance method chosen 3) annual reports per the requirements of 63.753(c)(2) for any exceedance of the applicable limits		od chosen	Semiannual E	Exceedance Report	Certification Report and ceedance Report (if any exceedance		6) months from the date ation of compliance
		(3(c)(2) for any	3) Exceedance Report			3) every twelve (12) months from the date of the notification of complian status	
	Attach description for any	Alternate Complian	ce Demonstration Met	hods not listed above	ve and label as EXHIE	BIT FORM OP - D	005
MO 780-1519 (REV			······································	Duplicate this for	m as needed		Page D05A-2
/							

ORM OP - D05 COMPLIANCE DETERMINATI		ICE DETERMINATION	METHODS FEDERALLY ENFORCEABLE-ALT			LE-ALT. OP. SCE	NARIO	Section D
Facility Name McDonnell Douglas Cor			County No.	4300	Plant No.	0230	Year Submi	tted 1997
Emission Point No. No.	one	SB-101-48	B-101-34, , and SB-220-02	Applicable Requi	rement:	10 CSR 10-5.330		
5. Compliance Demons	stration Metho	ds (Testing, Monitoring, Re	cordkeeping, R	eporting, etc.)				A. A.
Check the Applicab	le Method	The second secon		Basis of Compli				
Testing		Monitoring			opplicable Red	quirements		
✓ Record	keeping	Reporting		0	Sap Filling			
Testing Describe company	e any tests which y, operating con	th have been performed to on the distinct that the distinct that the terms of the t	quantify emission est and summary	y of results.				testing
Date Test M	ethod <i>N.A</i> .	Firm		Operating Condi	:	Summary of Res		
Recordkeeping List para from the	meters for whic date of entry. F	h records are being maintair or each recorded parameter	ned, the frequency include the metho	y of such records (ho od of measurement.	ourly, daily, etc	AND THE RESIDENCE OF THE PARTY	of time records	s are retained
Parameter (data) Being		Measurement M		pro III	Frequency	1	Record Ret	
as required b	by Section (6) e rule	as	as required by Section (6) of the rule		as required by Section (6) of the rule		46.	5 years
Monitoring		TO THE RELEASE OF			ompling frogu	oney and duration	and data ren	orting method
Describe Monitoring Device Type		monitoring used, location of r	ption	s being monitored, s	ampling frequ	Pol	lutant(s) Beir	ng Monitored
record keeping as identij	fied in the above	e section		tandapa				
Sampling Frequency		Duration of Sam	pling	How Data Will Bo	e Reported			
Reporting	4 2 s				a to the agenc			
		equirements and provide the		y of report submittal	s to the agenc	Submittal F	requency	
Reporting Requirement	t	The state of the s	Title of Report			Japinitari		
None required. Records shall be made available upon agency request.		N.A.			N.A.			
Attach	description for	any Alternate Compliance	Demonstration	Methods not listed	above and la	abel as EXHIBIT F	ORM OP - DO	<u>.</u>
MO 780-1519 (REV. Apr				Duplicate this fo				Page D05A-

Section D

ORM OP - D05	COMPLIANCE DET	ERMINATION MET		EDERALLY ENFO	ORCEABLE-ALT. O	P. SCENA.	
acility Name	Corporation		County No.	4300	Plant No. 2300	1	Year Submitted 1997
imission Point No. See Table D05-1A (Emission Unit No. See Table D0.	5-1A (attached)	Applicable Requ	irement: 40 CFR P	art 63, Sul	bpart GG, 63.743(d)
. Compliance Dem	ionstration Methods (Testin	g, Monitoring, Recor	dkeeping, Repo	orting, etc.)			
	Applicable Method Testing Recordkeeping	Monitoring Reporting		Basis of Comp	liance Method Applicable Requirem Gap Filling	ents	
Testing Descr opera	ibe any tests which have bee ting conditions existing during	en performed to quanti g the test and summar	fy emissions. In y of results.				
Jate	Test Method N.A.	Firm		Operating Cond	ditions	Summary o	of Results
Recordkeeping List p	l earameters for which records the date of entry. For each re	corded parameter incl	ude the method	f such records (hou of measurement.		the length	of time records are retained
⁷ arameter (data) Be		Measuremen	t Method		Frequency		Vecola Vereilion
organic HAP and VO	OC content of the combination of	on of Determine or monthly volu	ganic HAP and me-weighted av	VOC limit by erage calculations.	monthly	y	5 years
	and a committee and according to the story of special being				maling fraguency an	nd duration	and data reporting method.
Desc Monitoring Device T	ribe any emission monitoring Type N.A.	Location Des	itor, pollutants b	eing monitored, sa	mpling frequency an	Poll	lutant(s) Being Monitored
Sampling Frequency	у	Duration of S	Sampling	How Data Will	Be Reported		
Reporting	ribe all reporting requirement	s and provide the title	and frequency of	of report submittals	to the agency.		
Reporting Requirem	nent		Title of Repor	t		Submittal I	Frequency
,	N.A.			N.A.		WINDLE FO	N.A.
Attach	description for any Altern	ate Compliance Dem	onstration Meth	nods not listed ab	ove and label as E	XHIBIT FC	Page D05A-4
VIO 780-1519 (REV.				Ouplicate this form	n as needed		i age book-

St. Louis, Missouri Tracts I and II

Table D05-1A: Alternate Operating Scenario for Coating Lines and Maskant Lines (Aerospace Production)

EIQ Emission Point No.			Manufacturer/Model No./ Date of Manufacture	Stack No.
CL-002-01	SB-002-01	Spray Booth	Unknown	SB002-01
CE-002-01	35-002-01	(Aerospace Production)		00000
CL-002-02	SB-002-06	Spray Booth	Unknown	SB002-06
CE-002-02		(Aerospace Production)	S.i.d.io	00012 00
CL-027-01	SB-027-01	Spray Booth	Unknown	SB027-01
CD-027-01	05 027 01	(Aerospace Production)		
CL-027-01	SB-027-02	Spray Booth	Unknown	SB027-01A
05 027 01	32 32. 32	(Aerospace Production)		
CL-027-01	SB-027-03	Spray Booth	Unknown	SB027-01B
02 02. 0.	32 32. 33	(Aerospace Production)		
CL-027-01	SB-027-04	Spray Booth	Unknown	SB027-02
02 02. 0.		(Aerospace Production)		
CL-027-01	SB-027-05	Spray Booth	Unknown	SB027-02A
		(Aerospace Production)		
CL-029-01	CL-029-01	Spray Booth (Aerospace Production)	Unknown	CL029-01
		(Adhesive Bonding Primers & Specialty Coatings)		
CL-029-02	SB-029A-01	Spray Booth	Unknown	SB029A-01
		(Aerospace Production & QA/QC)		
CL-048-01	-048-01 SB-048-01 Spray Booth		Unknown	SB048-01
		(Aerospace Production)		
CL-048-01 SB-048-02		Spray Booth	Unknown	SB048-01A
		(Aerospace Production)		-
CL-048-01	SB-048-03	Spray Booth	Unknown	SB048-01B
4		(Aerospace Production)		
CL-048-01	SB-048-04	Spray Booth	Unknown	SB048-01C
*		(Aerospace Production)		.37
CL-048-01	SB-048-05	Spray Booth	Unknown	SB048-02
		(Aerospace Production)		
CL-048-01	SB-048-06	Spray Booth	Unknown	SB048-02A
		(Aerospace Production)		
CL-048-01	SB-048-07	Spray Booth	Unknown	SB048-02B
		(Aerospace Production)		
CL-048-01	SB-048-08	Spray Booth	Unknown	SB048-02C
		(Aerospace Production)	-	
CL-060-01	SB-060-01	Spray Booth	Unknown	SB060-01
		(Aerospace Production Using Aerosol Cans))		
CL-063-01	SB-063-01	Spray Booth	Unknown	SB063-01
		(Aerospace Production)		
CL-066-01	SB-066-01	Spray Booth	Unknown	SB066-02
		(Aerospace Production)		
CL-066-02	SB-066-02	Spray Booth	Unknown	SB066-01
" ===		(Research & Development)		
CL-101-01	SB-101-01	Spray Booth (Aerospace Production)	Unknown	SB101-01
		(Specialty Coatings Only)		95131 11
CL-101-01	SB-101-25	Spray Booth	Unknown	SB101-01
Te and Te	(Aerospace Production)			SB101-26
CL-101-01	SB-101-26	Spray Booth	Unknown	
		(Aerospace Production)		
CL-101-01	SB-101-27	Spray Booth	Unknown	SB101-27
		(Aerospace Production)	= =1	

St. Louis, Missouri Tracts I and II

Table D05-1A: Alternate Operating Scenario for Coating Lines and Maskant Lines (Aerospace Production)

EIQ Emission Point No.			Manufacturer/Model No./ Date of Manufacture	Stack No.	
CL-101-01	SB-101-29	Bench Spray Hood (Aerospace Production)	Unknown	SB101-29	
CL-101-01	SB-101-30	Spray Booth (Aerospace Production)	Unknown	SB101-30	
CL-101-01	SB-101-39	Spray Booth (Aerospace Production)	Unknown	SB101-39A	
CL-101-01	SB-101-44	Spray Booth (Research & Development)	Unknown	SB101-44	
CL-101-02	SB-101-02	Spray Booth (Aerospace Production and Research & Development Activities)	Unknown	SB101-02	
CL-101-02	SB-101-33	Spray Booth (Aerospace Production and Research & Development Activities)	Unknown	SB101-33	
CL-101-02	SB-101-40	Spray Booth (Aerospace Production)	Unknown	SB101-40	
CL-101-02			Unknown	SB101-40A	
CL-101-03			Unknown	SB101-45A	
CL-101-03	SB-101-41	Spray Booth (Research & Development)	Unknown	SB101-41	
CL-101-03	SB-101-06	Spray Booth (Mock-up and Tooling, Periodic Aerospace Production)	Unknown	SB101-45B	
CL-101-03	SB-101-43	Spray Booth (Research & Development)	Unknown	SB101-43	
CL-101-03	SB-101-35	Spray Booth (Research & Development)	Unknown	SB101-35	
CL-101-03	SB-101-45	Spray Booth (Research & Development)	Unknown	SB101-45	
CL-102-01	SB-102-01	Spray Booth (Research & Development)	Unknown	SB102-01	
CL-102-01	SB-102-03	Spray Booth (Aerospace Production)	Unknown	SB102-03	
CL-220-01	SB-220-01	Spray Booth (Aerospace Production) (Adhesive Bonding Primers & Specialty Coatings)	Unknown	SB220-01	
CL-248-01	SB-248-01	Spray Booth (Research & Development)	Unknown	SB248-01	
NONE	SB-101-10	Spray Booth (Research & Development)	Unknown	SB101-10	
BF-STL-01			Unknown	None	
ML-051-01 ML-051-01 Maskant Line (Perchloroethylene)		Baron-Blakeslee CAH 6.12-3T-SP, 1982	S-5137		
None	ML-051-02	Maskant Line (Waterbased)	Unknown	S-051-02	

ORM OP	J5 COMPLIANCE D	ETERMINATION N	METHOD	FEDERAL	LY ENFORCE	ABLE-ALT.	OP. SCENARIO	ection D
Facility Name			County No.	300	Plant No. 023	30	Year Submitted 1997	•
Emission Poi	int No. <i>ML-051-01</i>	Emission Unit No.		Applicable su 63.753	bsections of: 6) CFR Part 6 3.743, 63.74	63, Subpart GG: 17, 63.749, 63.750, 63.7	752, and
	nce Demonstration Methods (1 e Applicable Method Testing Recordkeeping	esting, Monitoring, R Monitoring Reportin	ng	Basis of Con	etc.) npliance Metho Applicable Requ Sap Filling			
Testing Date	Describe any tests which have company, operating conditions. Test Method per the requirements of the a subsections of 63.750 depends the compliance method chose.	s existing during the te	uantify emission est and summa	Operating Co		Summary o	AP I	esting
per the requi	List parameters for which recretained from the date of entrodata) Being Recorded irements of the applicable subsempropriate for the compliance m	y. For each recorded particles of as require	ned, the frequence of the content method and by the appliance of 63.752	ude the method	ecords (hourly, of of measurement of measurement) as required by applicable sured 63.752	y the	Record Retention 5 years	
Monitoring record k Sampling Fi	Describe any emission monit method. Device Type reeping as identified in the above	Location	monitor, pollu Description of Sampling		nitored, samplir	Pollu	and duration, and data	
1) notification	Describe all reporting require Requirement on of compliance status all reports that identify requiren ubsections of 63.753 for the con	nents of the	Title of Rep	ort Ion of Complia		1) when so	Frequency ource becomes subject to x (6) months from the a n of compliance status	
CHOSCH	Attach description for any Al	ternate Compliance [l Demonstration	n Methods not	listed above	and label as	EXHIBIT FORM OP - D	005 Page D05Δ-

ORM OP - [ONS COMPLIANO	E DETERMINATION	METHODS	FEDERALLY EN	VFORCEAB	LE-ALT. OP. SCE	NARIO Section D
Facility Name			County No.	4300	Plant No.	0230	Year Submitted 1997
Emission Poi	nt No. ML-051-01		-051-01	Applicable Requi	rement:	10 CSR 10-5.330	
5. Complian	ce Demonstration Method	s (Testing, Monitoring, Re	cordkeeping, R	eporting, etc.)			
TO SELECT THE PROPERTY OF THE PROPERTY OF THE PARTY OF TH	e Applicable Method	A STATE OF THE PARTY OF THE PAR		Basis of Complia			
	Testing	✓ Monitoring			pplicable Re	equirements	
1	Recordkeeping	Reporting		G	Sap Filling		
Testing	Describe any tests which company, operating cond	have been performed to ditions existing during the t	quantify emission est and summar	y of results.			
Date	Test Method	Firm	to the second se	Operating Condit	tions	Summary of Resu	ints
	N.A.		n di				
Recordke	List parameters for which from the date of entry. Fo	records are being maintair reach recorded parameter Measurement M	include the meth	y of such records (ho od of measurement.	ourly, daily, e		of time records are retained Record Retention
	lata) Being Recorded			ion (6)	100	ired by Section (6)	5 years
as	s required by Section (6) of the rule	as	required by Secti of the rule	(0)		of the rule	
Monitorir	1g		manitas nallutant	s boing monitored S	ampling freg	uency and duration.	and data reporting method.
14 D	Describe any emission m	Location Descri	nonitor, politicant	s being monitored, so	amping neq	Poll	utant(s) Being Monitored
Monitoring D record ke section	reping as identified in the ab		-		-	U. 1	
Sampling Fre	equency	Duration of Sam	pling	How Data Will Be	e Reported		
Reportin	g Describe all reporting rec	quirements and provide the	title and frequenc	cy of report submittal	s to the agen	ncy.	
Reporting Re		· · · · · · · · · · · · · · · · · · ·	Title of Report			Submittal F	requency
	ed. Records shall be made a			N.A.			N.A.
ugency reque	Attach description for	any Alternate Compliance	Demonstration	Methods not listed	above and	label as EXHIBIT F	ORM OP - D05
700 4540	(DEV April 11 1996)			Duplicate this fo			Page D05A

MO 780-1519 (REV. April 11, 1996)

	E COMPLIA	NCE DETERMINATION	METHODS	FEDERALLY E	NFORCEAL	BLE-ALT. OP. SCE	NARIO Section L
ORM OP - D0		NOL DETERMINATION	County No.	4300	Plant No.	0230	Year Submitted 1997
mission Point	glas Corporation No. <i>None</i>	Lilliocicii Cinci	T-120-01 and T-120-02	Applicable Requ	iirement:	40 CFR Part 60, N (Section 60.116b o	
0	Domonstration Methy	ods (Testing, Monitoring, I	Recordkeeping, F	Reporting, etc.)			
Chock the	Applicable Method			Dasis of Comp			
Check the /	Testing	✓ Monitoring			Applicable R	equirements	
	Recordkeeping	Reporting			Gap Filling	1210-7410	and the Mark State of the State
Testing	Describe any tests wh	ich have been performed to onditions existing during the	o quantify emissio e test and summa	ns. Include the dat ry of results.	e of the test,		
		Firm		Operating Cond	ditions	Summary of Res	ults
Date	Test Method N.A.						
Parameter (dat	List parameters for wh from the date of entry. a) Being Recorded sions and calculated c	ich records are being maint For each recorded paramet Measurement anacity engineeri	ter include the met	inod of medical control	Frequen		Record Retention for the life of the tan
Monitoring		The second secon	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	CONFESSION CONTRACTOR SERVICE		-veney and duration	and data reporting method
Monitoring De	Describe any emission vice Type	monitoring used, location of Location Description	of monitor, pollutar cription	nts being monitored,	sampling fre	Po	n, and data reporting method liutant(s) Being Monitored
record kaaning	as identified in the abo	ove section			W		
Sampling Freq		Duration of S	ampling	How Data Will	Be Reported		
Reporting	Describe all reporting	requirements and provide t	he title and freque	ncy of report submitt	als to the age	ency.	Frequency
Reporting Rec			Title of Report			Jupinitai	
	orting. Records shall t	be made available upon		N.A.		Lichal on EYHIRIT	N.A. FORM OP - D05
3 7 1	Attach description	or any Alternate Compliar	nce Demonstratio	n Methods not liste	ed above and	I label as evulpi i	Daniel Book
				Duplicate this	form as nee	eded	Page D0

RM OP -	D04 AF	PLICABLE REQUIREMENTS	STATE	AND LOCALLY ENF	FORCEABLE Section D
acility Nam	e Ocualas Corpora	ation	County No. 4300	Plant No. 0230	Year Submitted 1997
Applicable	Requirements	(federal, state and local regulations	plus any federally enforcea	ble permit conditions)	
mission oint/Unit	Pollutant	Applicable Requirement Authority	Emission Limit and U	or Standard	Compliance Determination Method (Testing, Monitoring, etc.)
Plant	Odor	10 CSR 10-5.160	Emissions of objection	nable odorous	Agency inspection records
-wide		Control of Odors in the	material is prohibited.		
		Ambient Air			
					·
			*		
		Character See See			THE PERSON NAMED IN THE PE

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

section D

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APPLICABLE REQUIREMENTS

STATE AND LOCALLY ENFORCEABLE

Section D

Year Submitted

Facility Name			County No.	Plant No.	Year Submitted 1997		
D II D	Sevelee Cornor	ation s (federal, state and local regulation	ns plus any federally enforceable permit conditions)				
mission oint/Unit Plant -wide	Pollutant	Applicable Requirement Authority 10 CSR 10-5.450 Control of VOC Emissions from Traffic Coatings (pending SIP incorporation)	Emission Limit or and Units Rule limits the VOC cont coatings to 1.26 pounds coatings (minus H ₂ O, mi VOCs, and minus colora	standard tent of traffic per gallon of nus exempt	Compliance Determination Method (Testing, Monitoring, etc.) McDonnell Douglas Corporation uses the coating manufacturer's data to verify that the VOC content of purchased traffic coatings meets the requirements of this rule.		

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

prevent them in the future.

Facility is required to submit a report of

known causes and measures taken to

such occurrences including a statement of

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Duplicate this form as needed

Page D04S-3

to St. Louis County within the time

frames of this rule.

Breakdown, or Scheduled

(locally enforceable only)

Maintenance

^{*}Rule does not specify any one pollutant.

APPLICABLE REQUIREMENTS

McDonnell Douglas Corporation 4. Applicable Requirements (federal, state and local regulations plus any federally enforceable permit conditions) Emission Pollutant (CSR#, CFR#, Permit No., etc.) Plant PM 10 CSR 10-6.170 -wide Matter to the Ambient Air Beyond the Premises of Origin Origin Pollutant Origin Promotion of Particulate Matter to the Ambient Air Beyond the Premises of Origin There are currently no McDonnell Douglas operations where particulates go beyond the facility property boundary as visible emissions or in quantities sufficient to violate this rule. If any PM creating activities occur, McDonnell Douglas Corporation shall take measures such as those listed in Section (1)(C)15. or those requested by the agency director.	Facility Name			County No.	Plant No.	Year Submitted 1997	
Emission Point/Unit Pollutant (CSR#, CFR#, Permit No., etc.) Plant PM 10 CSR 10-6.170 Rule prohibits the emission of visible PM beyond the premises of origin. Any facility engaging in construction, repair, cleaning, demolition, or material handling is required to take measures to prevent fugitive particulate matter from becoming visible or depositing on surfaces beyond Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.) Rule prohibits the emission of visible PM beyond the premises of origin. Any facility engaging in construction, repair, cleaning, demolition, or material handling is required to take measures to prevent fugitive particulate matter from becoming visible or depositing on surfaces beyond the facility. McDonnell Douglas Corporation shall take measures such as those listed in Section (1)(C)15. or those requested	McDonnell [Douglas Corp	oration	4300 0230			
	4. Applicab Emission Point/Unit Plant	le Requireme	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.) 10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of	Emission Limit or S and Units Rule prohibits the emission beyond the premises of or facility engaging in constructed construction, or make the construction of the co	tandard n of visible PM igin. Any uction, repair, aterial handling es to prevent from becoming rfaces beyond illty. Title T	(Testing, Monitoring, etc.) here are currently no McDonnell ouglas operations where particulates o beyond the facility property oundary as visible emissions or in uantities sufficient to violate this rule. any PM creating activities occur, IcDonnell Douglas Corporation shall ake measures such as those listed in ection (1)(C)15. or those requested	

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit.

You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.